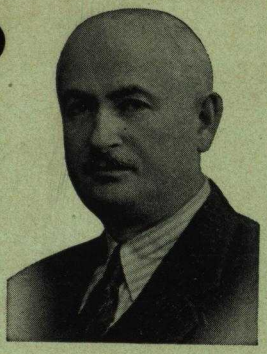
The "ORIGINAL"
CHARLES EISLER
Engineer and Founder of
EISLER PRODUCTS
Established 23 Years



Machinery We Can Supply Promptly

PRODUCTS

Incandescent Lamps
Miniature
Christmas Tree
Miner Battery
Standard Vacuum
Gas-Filled
Photo-Flash
Fluorescent Tubes
Special Lamps, etc., etc.
Radio Tubes—Glass or Metal

Power Transmission Tubes
Television Tubes
X-Ray Tubes
Photo Electric Cells

Neon Sign Tubes

Tungsten Equipment and Wire
Molybdenum Equipment and Wire
Copper Clad Equipment and Wire

Bases—Metal & Bakelite

Induction Furnaces
Hydrogen Furnaces
Electric Furnaces

Vacuum Flasks

Glass Lathes

Ampules and Vials
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Thermometers
Syringes
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Electric Welders—all types and sizes from ¼ to 500 KVA
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Welder Timers and Contactors
A. C. Arc Welders
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Burners, Torches, Fires, Gas and Air Mixers, for artificial, natural, hydrogen and oxygen gas.

High Vacuum Pumps
Rubber Tubing for High Vacuum

Illuminating Gas Producers from Gasoline

Metal Spraying on Glass
Glass Working—General

Order Direct from the
ORIGINAL Chas. Eisler
EISLER ENGINEERING CO.
Newark, N. J., U. S. A.

Consulting, Designing and Manufacturing Engineers
Manufacturers of all Types of Glass Working Machinery

CABLES:
EISLER
Newark, N. J.

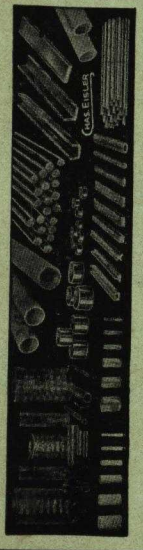
CHAS. EISLER
EISLER ENGINEERING CO.
740-770 South 13th Street (near Avon Avenue)
NEWARK, NEW JERSEY, U. S. A.

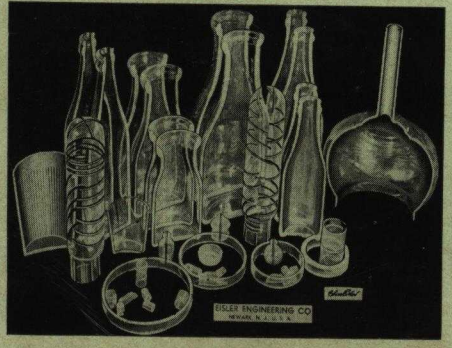
TELEPHONES:
BI 3-5310
BI 3-5311
BI 3-5312

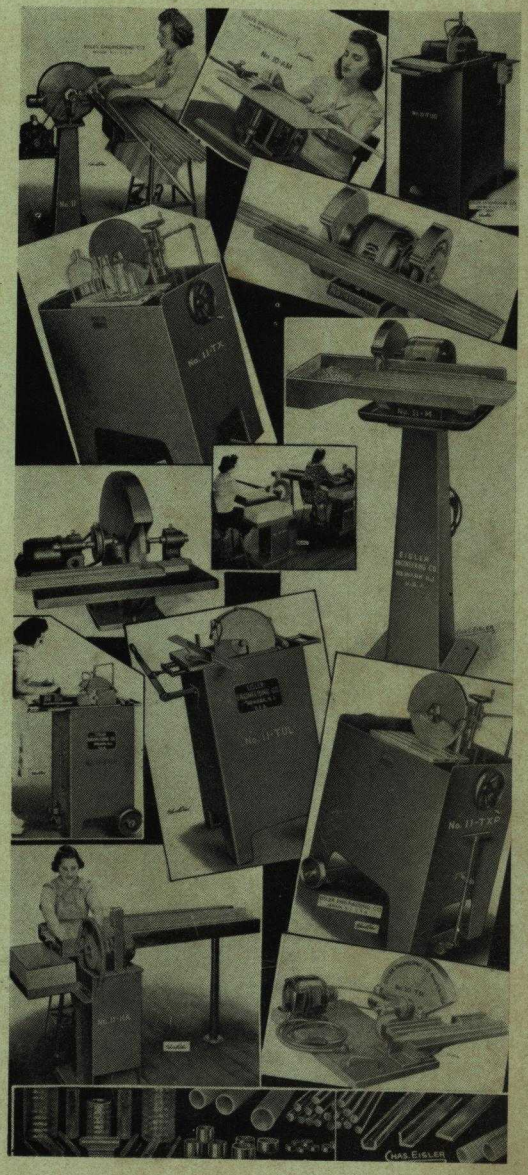
Bulletin No. 11-43

Printed in U. S. A. DECEMBER, 1942

GLASS SLICING AND GLASS CUTTING MACHINES







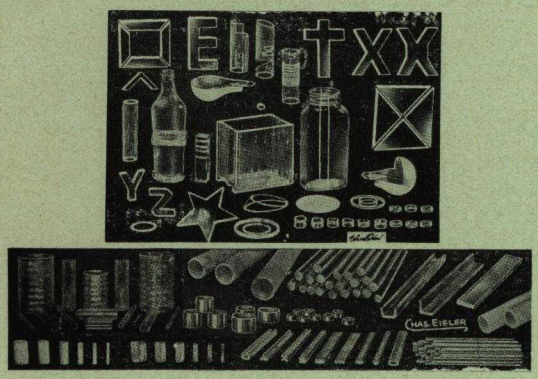
A FEW OF THE MANY ARTICLES SLICED ON EISLER GLASS SLICING MACHINES

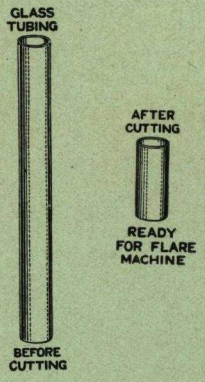
We make and supply parts or complete factory installation for the production of power tubes, metal and glass radio tubes, electric lamps, neon signs, Tungsten and Copper Clad wire drawing machinery and laboratory equipment for glass working of every description; also special machines from your specifications.

GLASS SLICING MACHINES

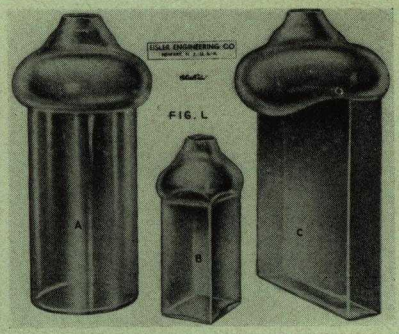
CHAS. EISLER MANUFACTURES THE MOST COMPLETE LINE OF DRY AND WET GLASS SLICING MACHINES OF ALL KINDS, TYPES AND SIZES

ARTICLES SLICED ON WET SLICING MACHINES

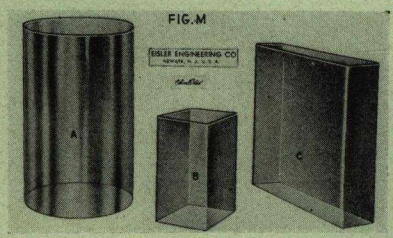




THESE JARS WERE CUT ON AN EISLER GLASS CUTTING MACHINE



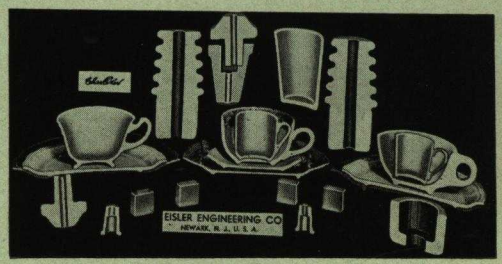
BEFORE



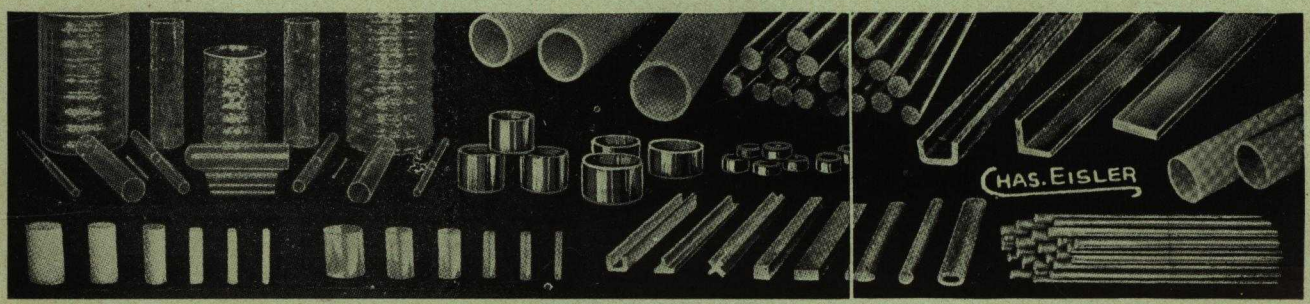
AFTER

SHOWING JUST A FEW OF THE MANY DIFFERENT TYPES OF SLICING THAT CAN BE MADE ON EISLER GLASS SLICING MACHINES. SUBMIT YOUR PROBLEMS TO US AND WE WILL RECOMMEND THE PROPER MACHINE FOR YOUR NEEDS.

EISLER'S WET SLICING MACHINES CAN BE UTILIZED FOR SLICING ALL TYPES OF CERAMICS, AS ILLUSTRATED BELOW



RECTANGULAR, ROUND, SQUARE AND VARIOUS SHAPED RODS, BARS AND TUBES ARE QUICKLY CUT APART.
WE ALSO MANUFACTURE A COMPLETE LINE OF HIGH SPEED SOFT GLASS CUTTERS AND MISCELLANEOUS GLASS WORKING TOOLS



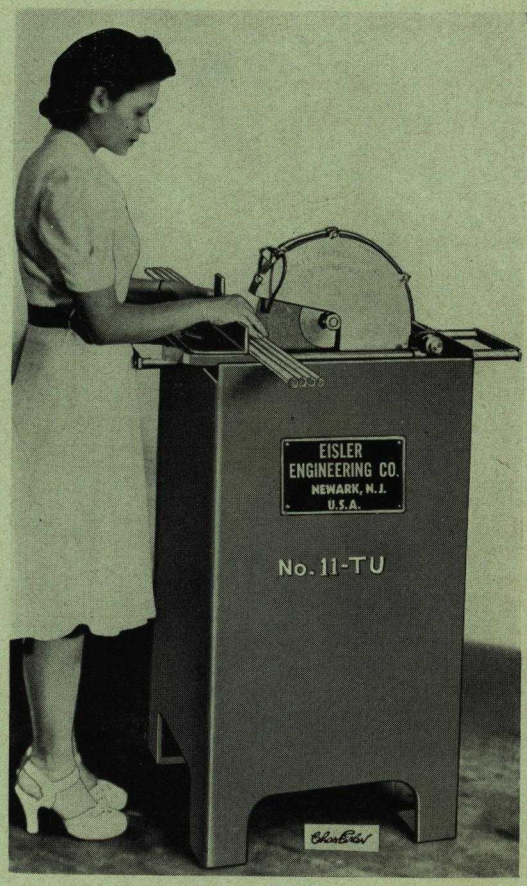
GLASS SLICING MACHINES

MADE IN MANY TYPES AND SIZES FOR GENERAL GLASS TUBE SLICING AND SIMILAR WORK

12" MACHINE, HAND LEVER TYPE

Machine No. 11-TU-H

12" GLASS TUBE SLICING MACHINE, PUSHER TYPE



Machine No. 11-TU

General Information

PAGE NUMBER	MACHINE NUMBER	DIAM. OF CUTTING WHEEL	FLOOR SPACE	MOTOR	NET WEIGHT	GROSS WEIGHT	BOX DIMENSIONS
3	11-TUH	12"	21½"x20½"	½ H.P.	365	535	28"x28"x50"
3	11-TU	12"	21½"x20½"	½ H.P.	365	535	28"x28"x50"
4	11-TUG	12"	21½"x20½"	½ H.P.	365	535	28"x28"x50"
4	11-TUG-W	14"	21½"x20½"	¾ H.P.	365	535	28"x28"x50"
4	11-TUW	12"	21½"x20½"	½ H.P.	365	535	28"x28"x50"
4	11-TUR	12"	21½"x20½"	½ H.P.	365	535	28"x28"x50"
5	11-TU-14	14"	21½"x23½"	¾ H.P.	365	535	28"x28"x50"
5	11-TU-16	16"	21½"x26½"	1 H.P.	365	535	28"x28"x50"
5	11-TUL	12"	21½"x20½"	½ H.P.	365	535	28"x28"x50"
7	11-TXT	16"	36"x23"	1 H.P.	415	680	60"x47"x64"
8	11-TXP	16"	36"x23"	1 H.P.	415	680	60"x47"x64"
8	11-TX	16"	36"x23"	1 H.P.	415	680	60"x47"x64"
9	11-HA	14"	36"x60"	½ H.P.	290	460	65"x34"x60"
9	11-HA-3	14"	36"x60"	½ H.P.	290	460	65"x34"x60"
14	11-TUB	12"	21½"x20½"	½ H.P.	220	370	28"x28"x30"

PAP 06-BB79
12/19/2006

TJCA
1943

GLASS SLICING MACHINE No. 11-TUG

THIS GLASS SLICING MACHINE IS USED FOR SLICING GLASS TUBES, SOLID GLASS BARS, MIRRORS, OPTICAL GLASS, NON-SHATTERABLE GLASS, AS WELL AS CERAMICS, SLATE, PORCELAIN, TILES, METALS, ETC. THE FABRICATED CASE CONCEALS A ½ H.P. MOTOR AND A CENTIFRUGAL PUMP FOR THE WATER COOLING ARRANGEMENT. A TWELVE INCH CUTTING WHEEL, MOUNTED ON BALL BEARINGS, HAS A SPEED OF 1,725 R.P.M. STRAIGHT OR ANGLE CUTTING MAY BE PERFORMED ON THIS MACHINE FOR VERY DELICATE GLASS WORK.

Machine No. 11-TUG

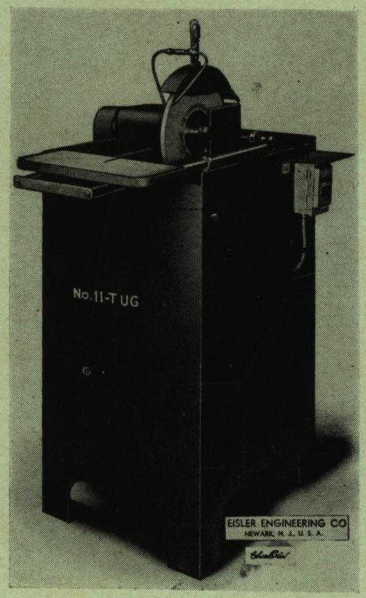
NET WEIGHT —365 POUNDS

GROSS WEIGHT —535 POUNDS

BOX DIMENSIONS—28"x28"x50"

GLASS SLICING MACHINE

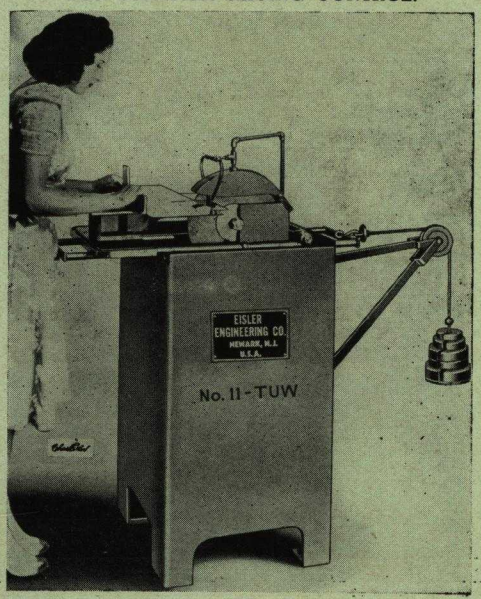
SHOWN WITH A 14" CARBORUNDUM GRINDING WHEEL



Machine No. 11-TUG-W

ACCURATE WET GLASS SLICING MACHINE

THIS MACHINE HAS SAME SPECIFICATIONS AS MACHINE No. 11-TUG WITH A WEIGHT BALANCING ATTACHMENT FOR STEADIER SLICING CONTROL.

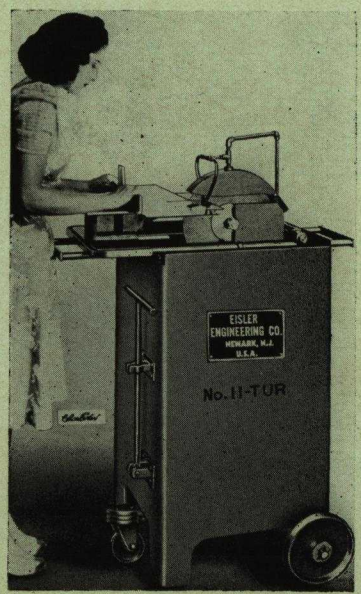


Machine No. 11-TUW

PORTABLE GLASS SLICING MACHINE

SAME SPECIFICATIONS AS MACHINE No. 11-TUG MOUNTED ON WHEELS

ANY OF OUR GLASS SLICING MACHINES CAN BE SUPPLIED IN PORTABLE MODEL



Machine No. 11-TUR

GLASS SLICING MACHINE No. 11-TU

THESE MACHINES HAVE SAME SPECIFICATIONS AS MACHINE No. 11-TUG, SHOWN ON PAGE 4. HOWEVER THE CUTTING WHEEL ON MACHINE No. 11-TU-14 IS 14" AND ON MACHINE No. 11-TU-16 IT IS 16"

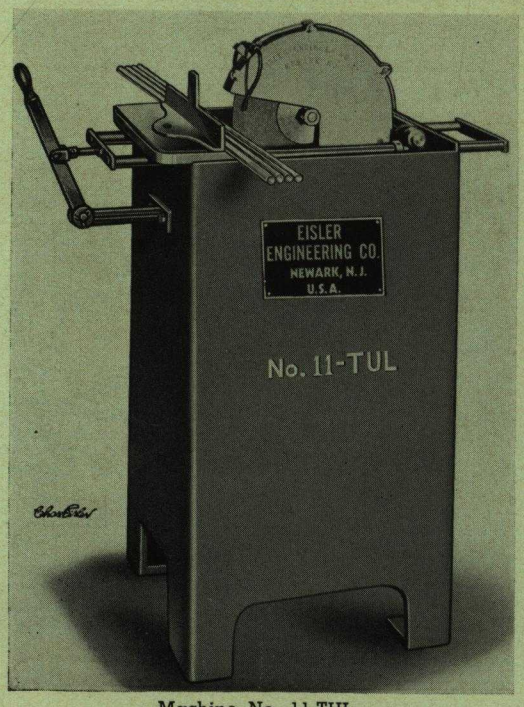
¾ H.P. MOTOR, 1,725 R.P.M.

Machine No. 11-TU-14

1 H.P. MOTOR, 1,725 R.P.M.

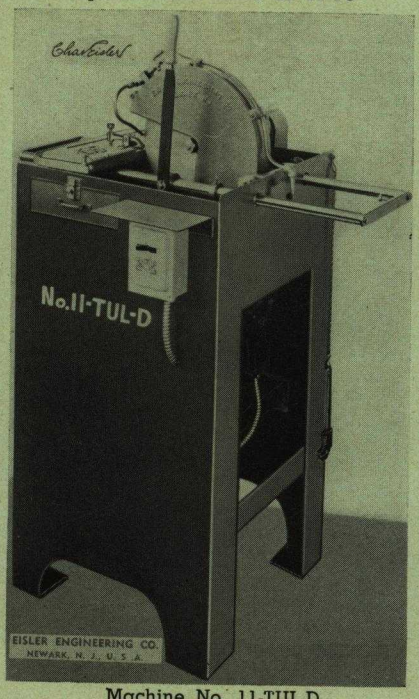
Machine No. 11-TU-16

LEVER FEED TYPE GLASS SLICING MACHINE
SAME SPECIFICATIONS AS MACHINE No. 11-TUG
PAGE No. 4



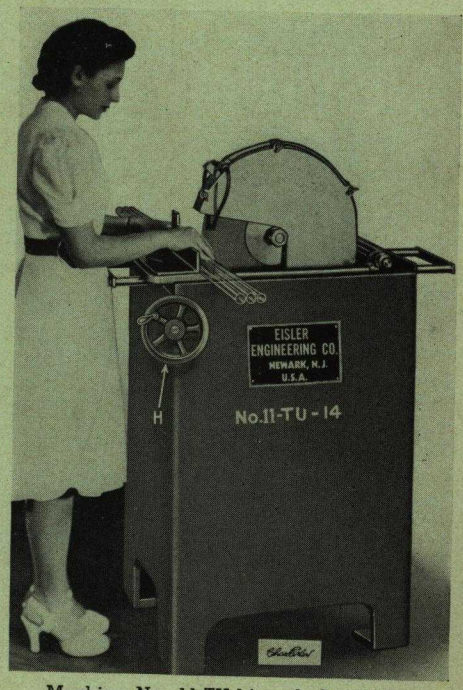
Machine No. 11-TUL

LEVER TYPE GLASS CUTTER
Specifications same as 11-TU



Machine No. 11-TUL-D

SAME SPECIFICATIONS AS MACHINE No. 11-TUG WITH SCREW FEED ATTACHMENT. ¾ H.P. MOTOR



Machine No. 11-TU-14 with Screw Feed

USEFUL INFORMATION

IMPORTANT INFORMATION

When changing of the disk is required, the removal of the Guard can be done very rapidly.

Removing Guard:

The new model slicing machines are so constructed that the Guard can be removed as shown. No screws or bolts have to be removed. The Guard slides off its support without the use of tools of any kind. This arrangement makes removal of the Guard very rapid and it can be placed back in its original position very quickly. It requires absolutely no skill to remove the Guard. Same method is used on all of our cutting machines—12″, 14″, 16″, 18″ inclusive.

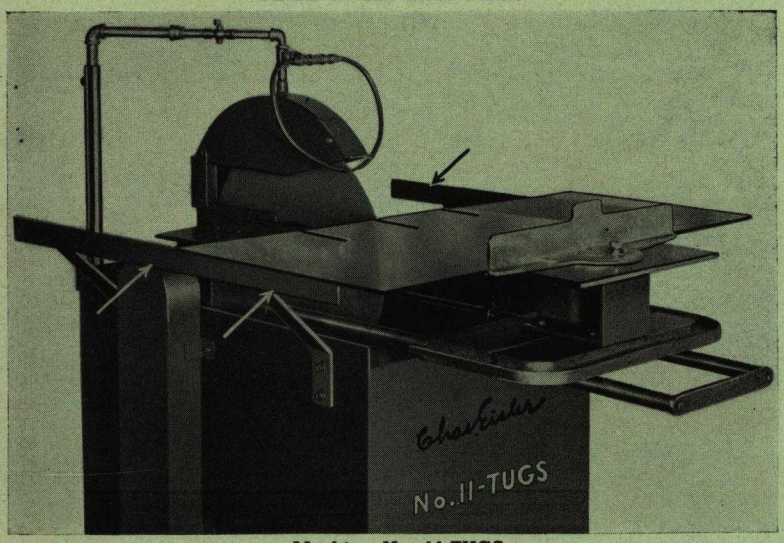
Machine No. 11-TU

Removing the Cutting Disk:

When it is necessary to remove the cutting wheel and replace it with another cutting wheel, the shaft has a flat provided, where the wrench "A" will hold the shaft so that the operator can unscrew the nut "B" and replace the cutting wheel in a very simple manner.

Machine No. 11-TU

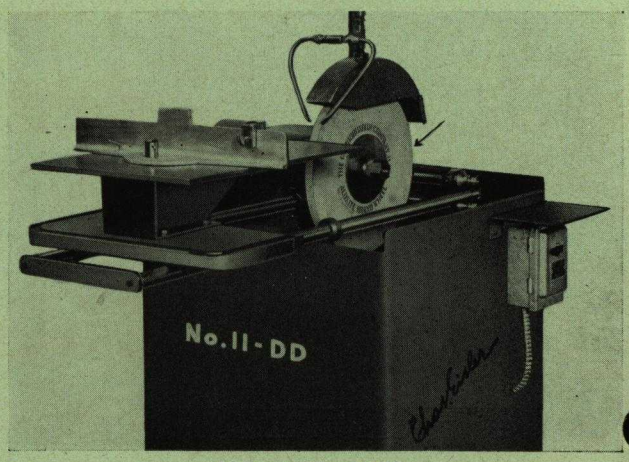
PLATE SUPPORT FOR LARGE SHEET CUTTING.
MADE IN SEVERAL TYPES



Machine No. 11-TUGS

PLATE GRINDING

½″ WIDE GRINDING WHEEL FOR BEVELING
OR OTHER GRINDING



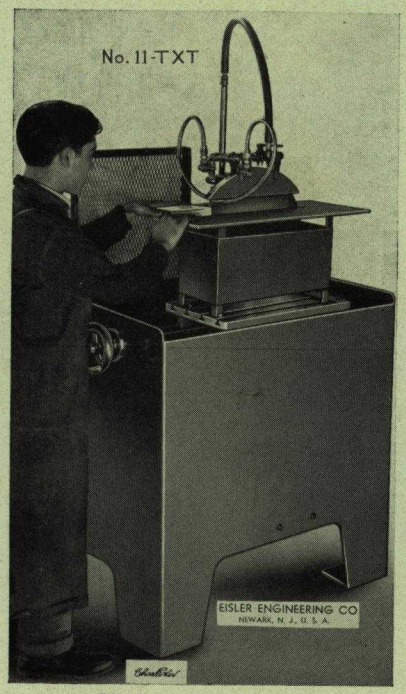
Machine No. 11-DD

STANDARD SLICING MACHINES CAN BE SUPPLIED IN MANY WAYS

No. 11-TXT NEW TYPE GLASS SLICING MACHINE

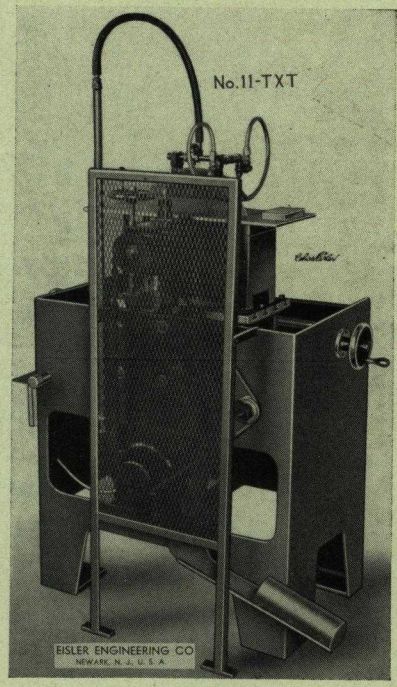
THIS NEW TYPE EISLER DEVELOPED GLASS SLICING MACHINE IS SUPPLIED WITH A LONGITUDINAL TABLE FEED OF 17" AND A VERTICAL ADJUSTMENT OF CUTTING DISC OF 6". ALSO SUPPLIED WITH ELEVATED TABLE GUARDS, WATER COOLING, ETC. THESE MACHINES CAN BE MADE TO ACCOMMODATE 12", 14" OR 16" CUTTINGS DISCS

GLASS SLICING MACHINE
FRONT VIEW
SHOWING PLATE CUTTING ON ELEVATED TABLE



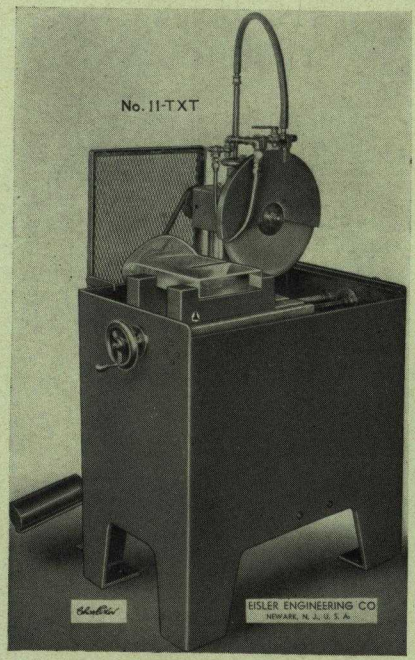
Machine No. 11-TXT

GLASS SLICING MACHINE
BACK VIEW



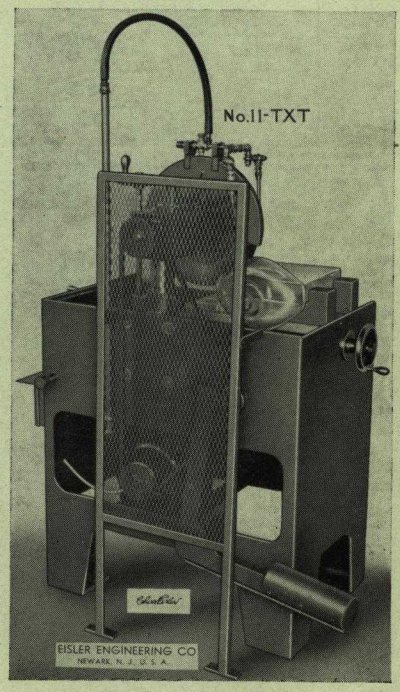
Machine No. 11-TXT

GLASS SLICING MACHINE
FRONT VIEW
WITH GLASS HOLDING FIXTURE



Machine No. 11-TXT

GLASS SLICING MACHINE
BACK VIEW
SHOWING GUARD AND ADJUSTABLE BELT DRIVE



Machine No. 11-TXT

CHAS. EISLER'S SCREW FEED WET GLASS SLICER

16″ DIAMETER CUTTING DISC TYPE

MACHINE No. 11-TX

SPECIFICATIONS

CUTTING DISC—16″ DIAMETER, $\frac{3}{32}$″ THICK
SPEED OF MOTOR—1,725 R.P.M.
MOTOR REQUIRED—1 H.P.
SIZE OF TABLE—20″ LONG, 12″ WIDE, 4 T SLOTS
FEED OF TABLE—LONGITUDINAL—17″
VERTICAL ADJUSTMENT OF CUTTING DISC—6″
DIAMETER OF GLASS TUBE CAN BE MADE IN ONE CUT—5½″
DEPTH OF CUT—5½″
SIZE OF FABRICATED STEEL BODY—36″ L. x 23″ W. x 40″ H.
OVERALL HEIGHT OF MACHINE—58″
WATER REQUIRED—22 GALLONS. CAN BE USED WITH ATTACHED WATER PUMP OR DIRECT FROM YOUR WATER SUPPLY

NET WEIGHT —415 POUNDS
GROSS WEIGHT —680 POUNDS
BOX DIMENSIONS—60″ x 47″ x 64″

THESE MACHINES ARE ALSO MADE FOR 12″ AND 14″ CUTTING DISCS

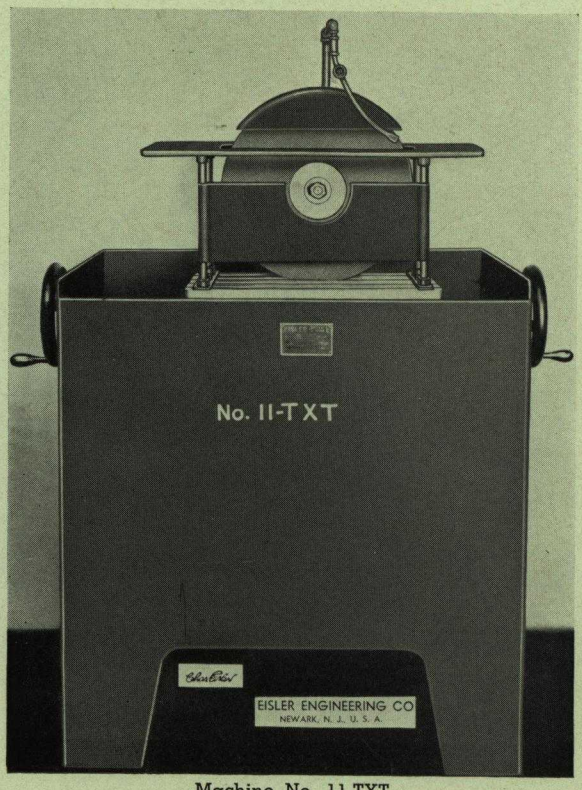
Machine No. 11-TX

PORTABLE GLASS SLICING MACHINE

SPECIFICATIONS SAME AS MACHINE No. 11-TX
1 H.P. MOTOR, 1,725 R.P.M.

Machine No. 11-TXP

SPECIFICATIONS SAME AS MACHINE No. 11-TX.
ATTACHMENT FOR CUTTING FLAT GLASS OBJECTS.
1 H.P. MOTOR, 1,725 R.P.M.



Machine No. 11-TXT

A VARIETY OF GLASS SLICING MACHINES

GLASS TUBE CUTTING MACHINE—HEAVY TYPE

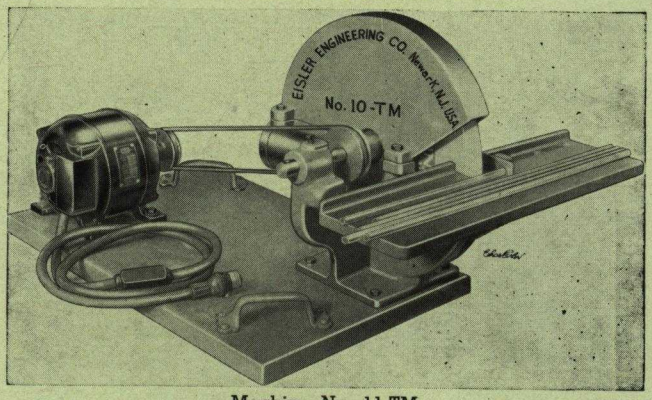
THE No. 11-HA AND No. 11-HA-3 GLASS TUBE CUTTERS FOR THIN TUBING IS SUPPLIED WITH A 14" STEEL DISC OR SPECIAL CARBORUNDUM WHEEL. ½ H.P. MOTOR, 2,800 R.P.M.

Machine No. 11-HA (Dry Cutting)

Machine No. 11-HA-3

PORTABLE GLASS TUBE CUTTER

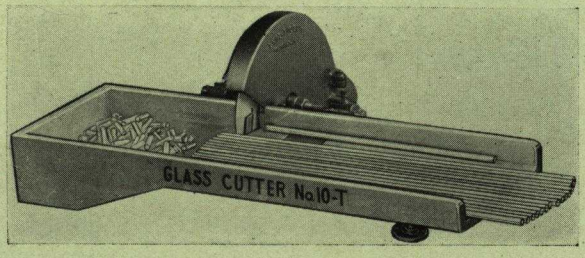
WITH 14" DIAMETER CUTTING DISC



Machine No. 11-TM

BENCH TYPE GLASS TUBE CUTTER

14" WHEEL, WITH CUTTING TABLE 38"x14"



Machine No. 10-T (Dry Cutting)

STANDARD FLOOR TYPE GLASS TUBE CUTTER

CUTTING TABLE 55"x11". 14" CARBORUNDUM WHEEL. REQUIRES A ¼ H.P. MOTOR, 1,725 R.P.M.

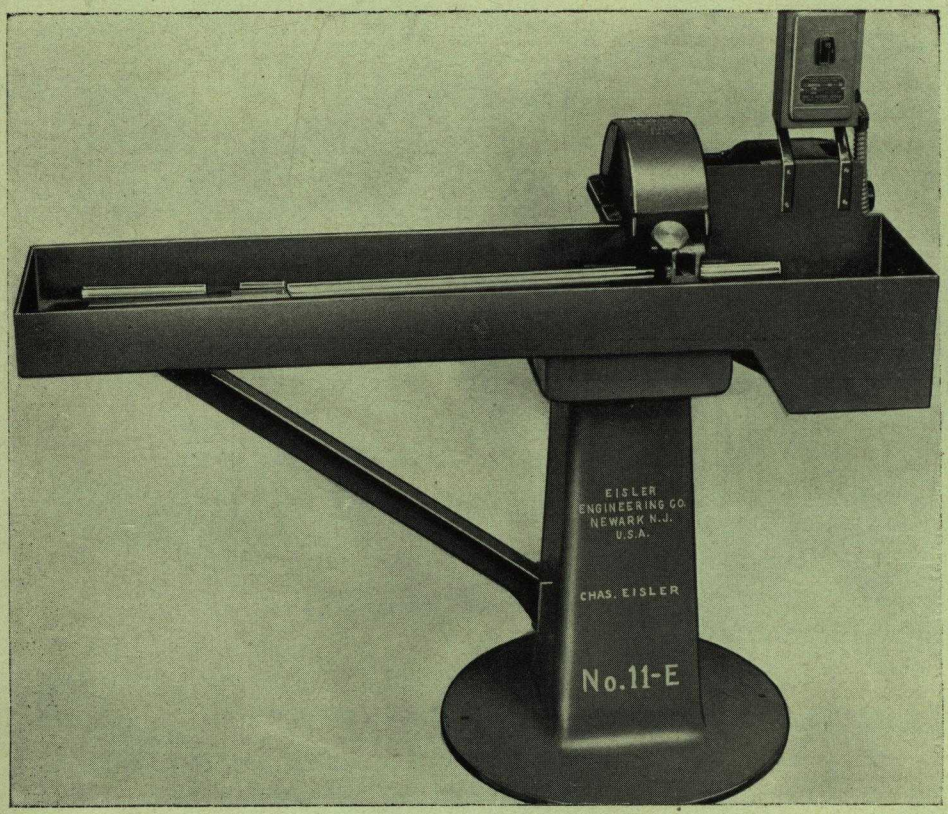
Machine No 11 (Dry Cutting)

WET DISC TYPE GLASS CUTTING MACHINE

THE GLASS TO BE CUT IS FED BY HAND. QUICK ADJUSTING CLAMPER HOLDS THE GLASS IN POSITION FOR CUTTING.

No. 11-E MADE IN MANY SIZES

MADE IN SIZES 12" - 14" - 16" DISCS



Machine No. 11-E

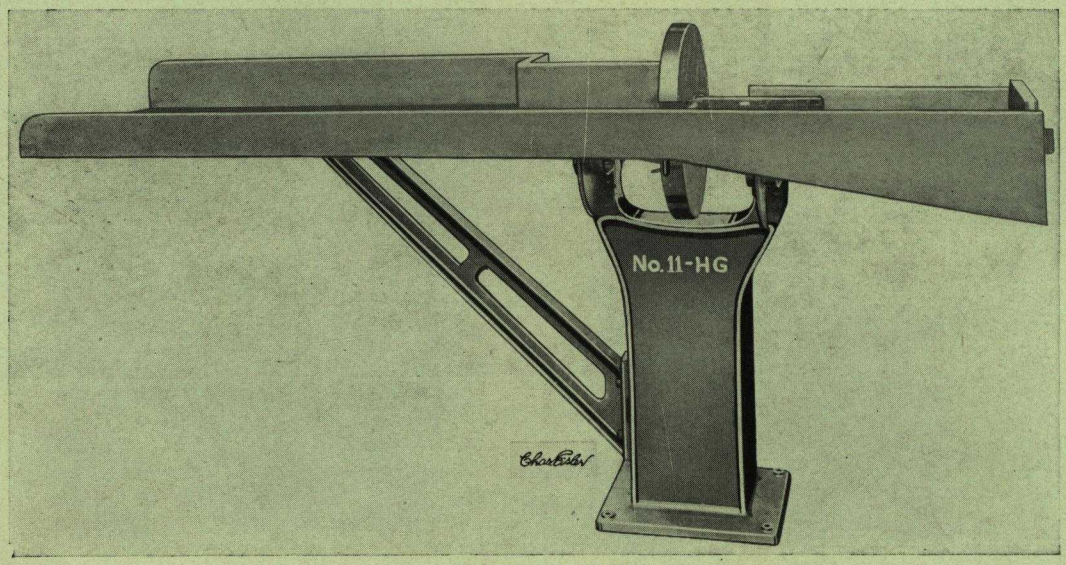
EISLER GLASS CUTTING MACHINES

ARE IN GENERAL USE WHEREVER GLASS TUBING IS BEING CUT.

IF YOU HAVE ANY SPECIAL GLASS CUTTING PROBLEMS, CONSULT US. WE MAKE MANY GLASS CUTTING MACHINES NOT SHOWN IN CATALOG. MACHINES NOT SHOWN IN THIS CATALOG.

No. 11-HG HEAVY TYPE GLASS CUTTING MACHINE

WITH LARGE TABLE—15"x72" LONG. ⅓ H.P. MOTOR, 14" CARBORUNDUM WHEEL OR STEEL DISC, FOR DRY CUTTING GLASS TUBING.

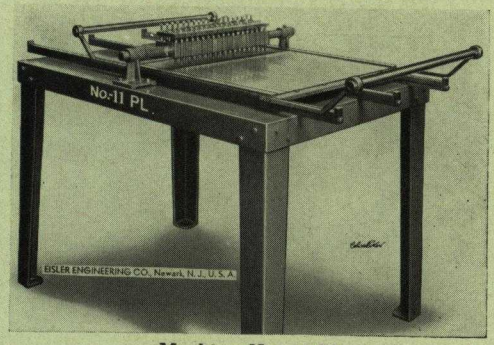


Machine No. 11-HG

SPECIAL GLASS SLICING MACHINES

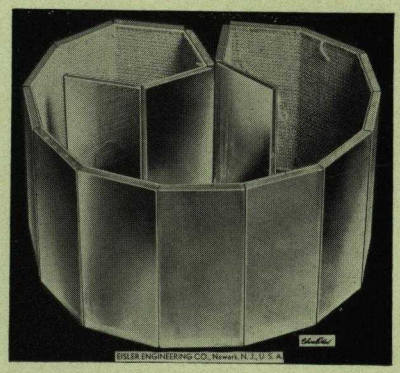
MULTIPLE GLASS SLICER

FOR DECORATIVE PLATE GLASS SLICING. WILL CUT STRAIGHT LINE DESIGNS SUCH AS SQUARES, RECTANGLES, DIAMONDS, TRIANGLES AND OTHER SIMILAR SHAPES. STEEL OR DIAMOND CUTTERS ARE USED.

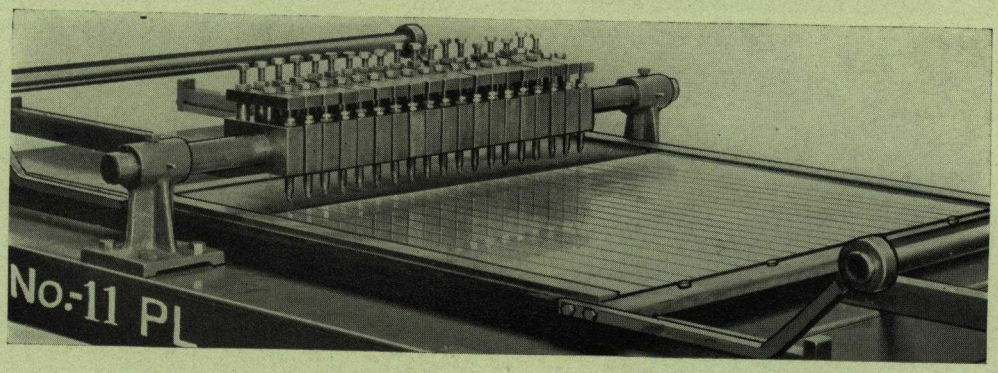


Machine No. 11-PL

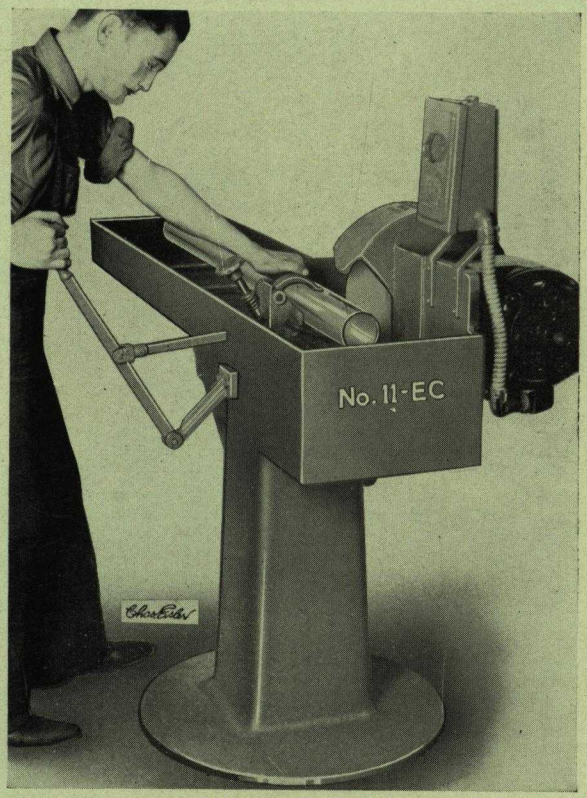
GLASS MIRROR PLATE CUT DRY BY MACHINE No. 11-PL



ENLARGED VIEW OF CUTTING ARRANGEMENT ON MACHINE No. 11-PL



Machine No. 11-PL



Machine No. 11-EC

MACHINE No. 11-EC

WET DISC TYPE HIGH SPEED GLASS TUBE AND DISC SLITTING MACHINE. LEVER FEED. SUPPLIED WITH PUMPS.

BENCH TYPE GLASS TUBE CUTTER

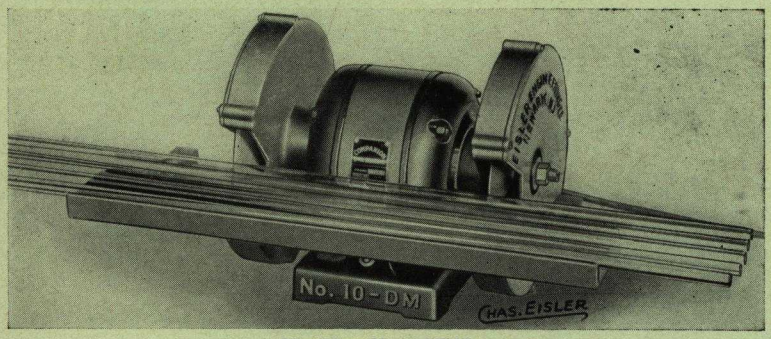
ADJUSTABLE TABLE. 1/8 H.P. MOTOR, 1,725 R.P.M.

Machine No. 10-AM

HIGH SPEED MOTORIZED GLASS CUTTERS

BENCH TYPE GLASS TUBE CUTTER

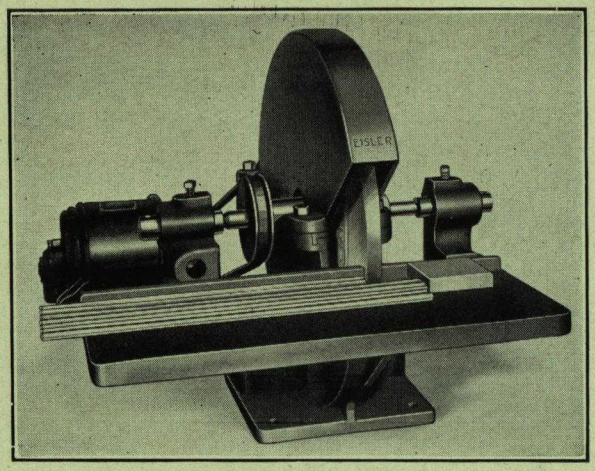
WITH TWO CUTTING WHEELS. ONE 8" STEEL DISC FOR HARD GLASS AND ONE 8" CARBORUNDUM WHEEL FOR SOFT GLASS



Machine No. 10-DM

BENCH TYPE GLASS TUBE CUTTER

14" CARBORUNDUM WHEEL, ¼ H.P. MOTOR, 1,725 R.P.M.



Machine No. 10

PEDESTAL TYPE GLASS TUBE CUTTER

SAME AS MACHINE No. 10-DM MOUNTED ON STANDARD PEDESTAL

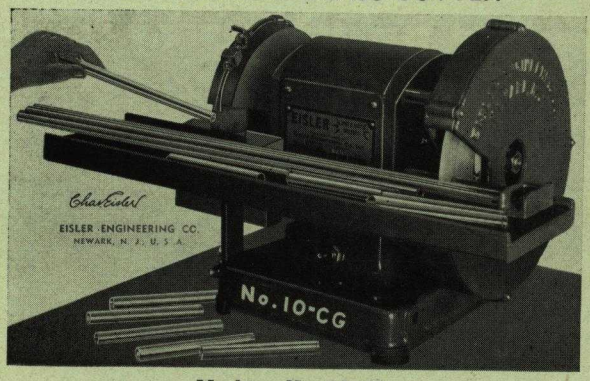
Machine No. 11-SM

SINGLE WHELL GLASS TUBE CUTTER MOUNTED ON PEDESTAL

Machine No. 11-M

BENCH TYPE GLASS TUBING CUTTERS

WET AND DRY GLASS CUTTER



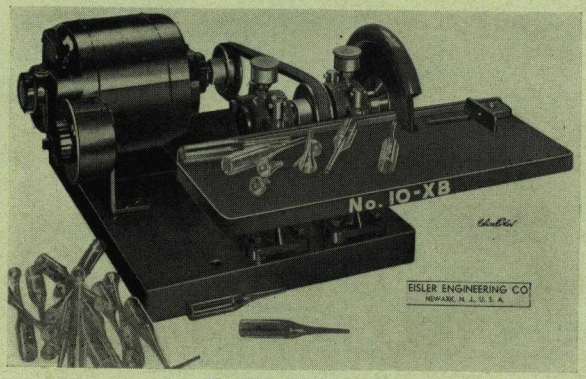
Machine No. 10-CG

GLASS CUTTER No. 10-CG

HAS ONE DRY CUTTER, STEEL OR CARBORUNDUM, 8" DIAMETER AND A 6"x½" WIDE WET GRINDER FOR GRINDING EDGES OR ANY OTHER WET GRINDING WORK WITHIN RANGE SUPPLIED WITH ¼ H.P. MOTOR, 1,750 R.P.M.

6" HIGH SPEED CUTTER

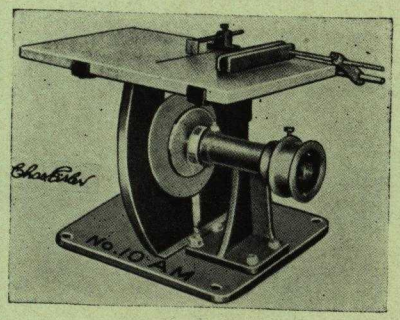
BALL BEARING TYPE MOTOR, 3,500 R.P.M., ¼ H.P.



Machine No. 10-XB

BELT DRIVEN BENCH CUTTER

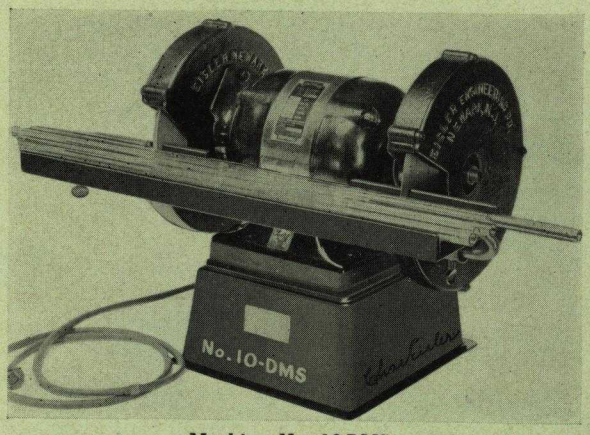
8" STEEL OR CARBONUNDUM DISC
BENCH TYPE GLASS CUTTER WITH ADJUSTABLE TABLE



Machine No. 10-AM

DOUBLE DISC BENCH CUTTER 8"

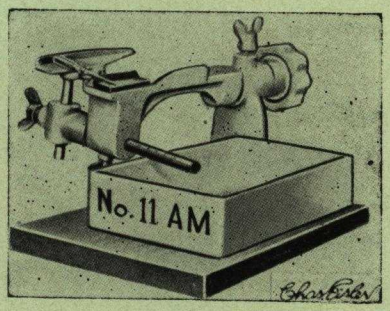
STEEL OR CARBONUNDUM WHEEL
¼ H.P. MOTOR, 1,750 R.P.M.



Machine No. 10-DMS

STEEL FILE TYPE CUTTER
GLASS AMPULE CUTTER

ADJUSTABLE FOR ALL SIZES



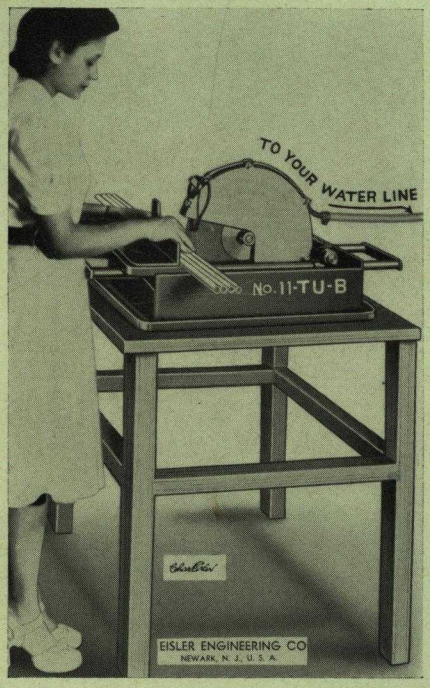
Machine No 11-AM

BENCH TYPE GLASS SLICING MACHINES

THESE MACHINES HAVE NO WATER PUMPS. THE WATER IS CONNECTED DIRECT TO YOUR WATER SUPPLY LINE.
BENCH MACHINES ARE MADE IN ALL SIZES SAME AS STANDARD MACHINES

GLASS TUBE SLICER

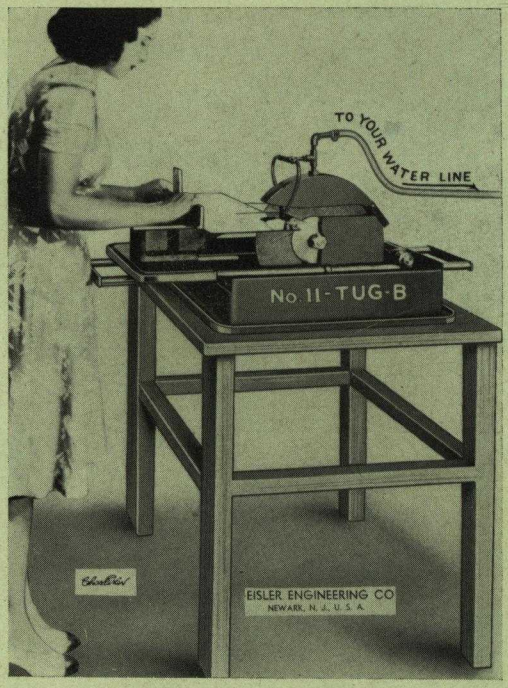
BENCH TYPE



Machine No. 11-TU-B

GLASS PLATE SLICER

BENCH TYPE



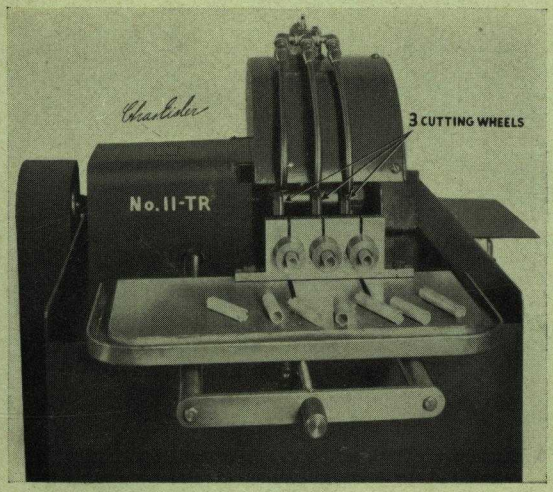
Machine No. 11-TUG-B

SPECIAL GLASS SLICING MACHINES

USED FOR NOTCHING CERAMIC TUBE ENDS—MADE IN MANY SIZES
MULTIPLE DISC SLICERS

THREE DISC SLICER

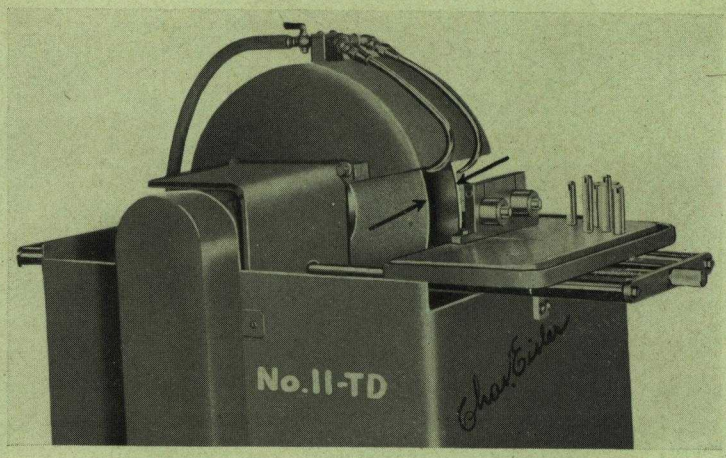
14″ DIAMETER DISCS



Machine No. 11-TR

TWO DISC SLICER

16″ DIAMETER DISCS

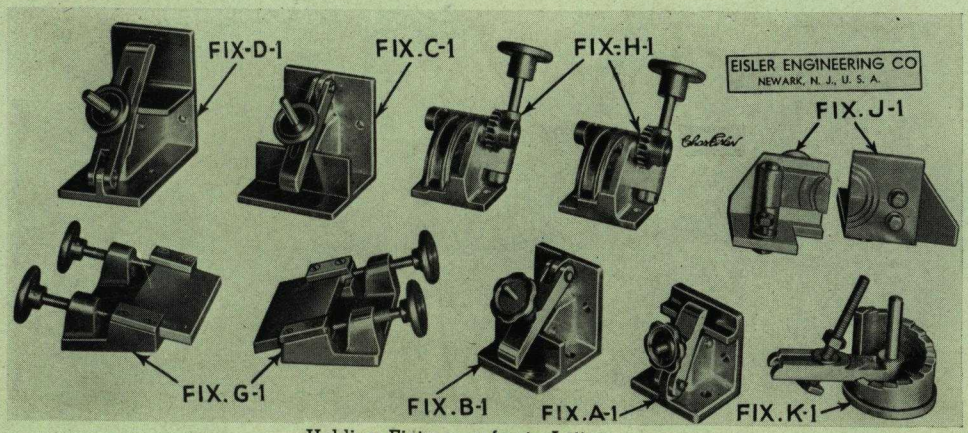


Machine No. 11-TD

SPECIAL HOLDING FIXTURES MADE IN MANY STYLES AND TYPES

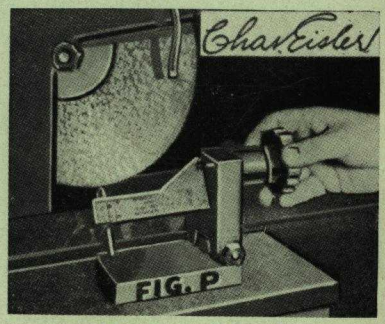
SHOWING ONLY A FEW OF THE MANY EISLER HOLDING FIXTURES

WHEN ORDERING HOLDING FIXTURES REFER TO LETTERS



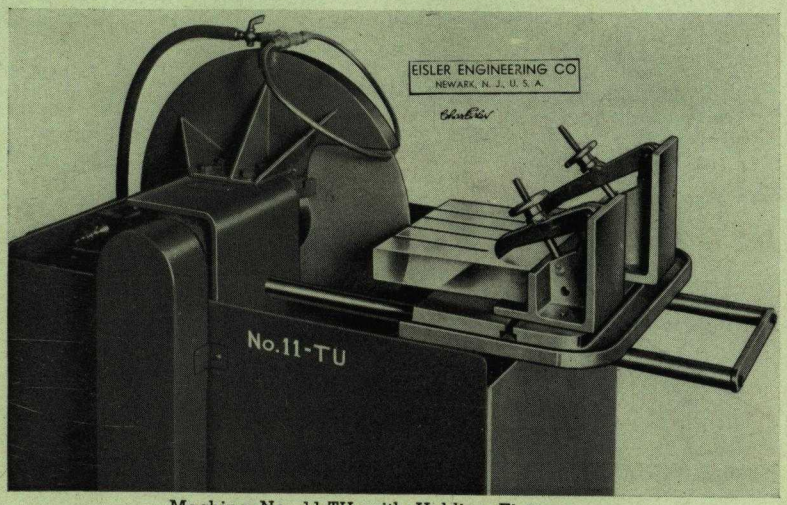
Holding Fixtures refer to Letters

CUTTING DISC DRESSER



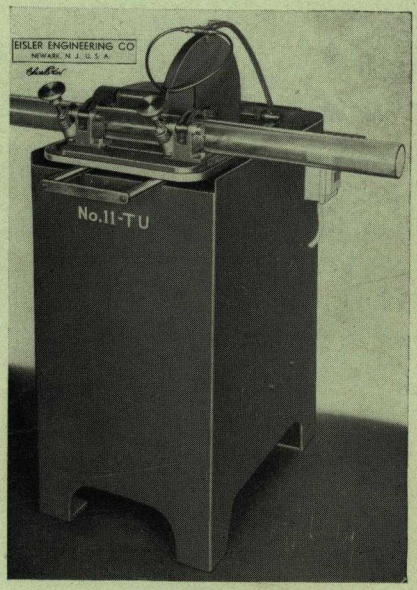
Machine No. FIG-P

SHOWING FIXTURE D-1



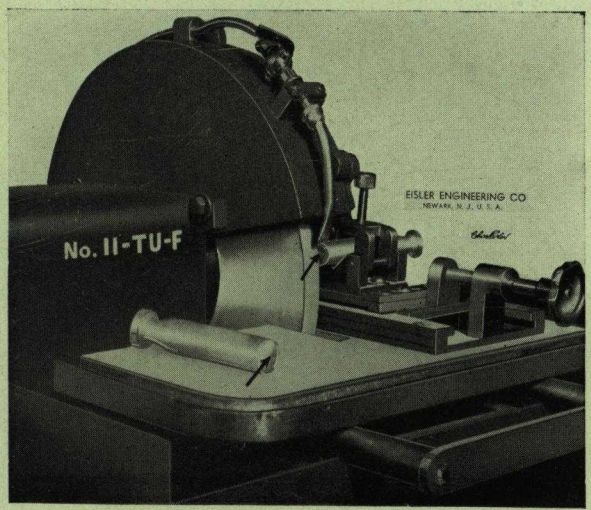
Machine No. 11-TU with Holding Fixture

SHOWING FIXTURE No. H-1



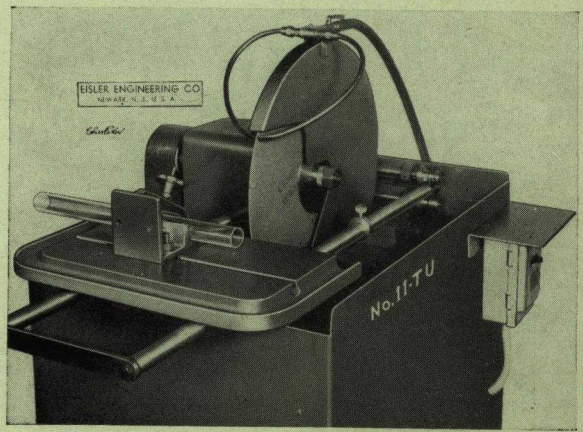
Machine No. 11-TU and H-1 Fixture

SHOWING END GRINDING



Machine No. 11-TU-F and Special Fixture

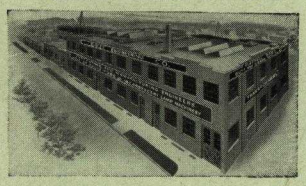
SHOWING FIXTURE No. C-1



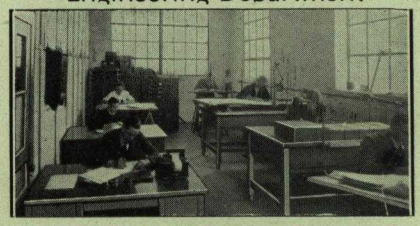
Machine No. 11-TU and Holding Fixture No. C-1

CONSULTING, DESIGNING, AND MANUFACTURING ENGINEERS — COMPLETE LINE OF ELECTRON EQUIPMENT, ELECTRIC WELDERS, TIMERS AND CONTACTORS, STANDARD AND SPECIAL TRANSFORMERS OF ALL KINDS

Chas. Eisler's Plant

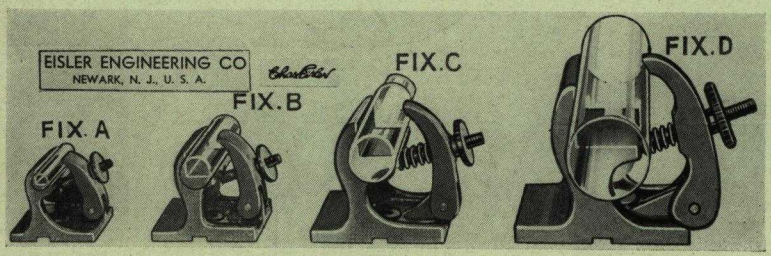


Engineering Department

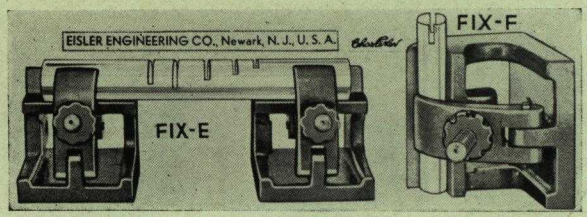


Holding Tools, Fixtures and Glass Cutting Machine Accessories

ILLUSTRATING JUST A FEW OF THE MANY TYPES OF SPECIAL HOLDING FIXTURES THAT WE CAN SUPPLY. IF YOU HAVE ANY SPECIAL REQUIREMENTS OUR ENGINEERING DEPARTMENT WILL RECOMMEND A SUITABLE FIXTURE.
GLASS TUBE HOLDING FIXTURES MADE IN VARIOUS SIZES.

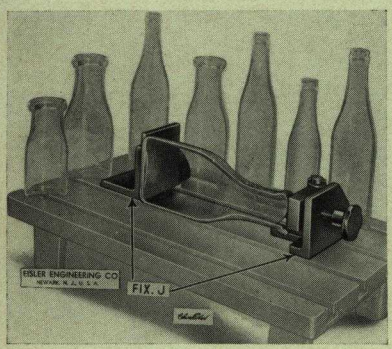


Fixtures A, B, C and D



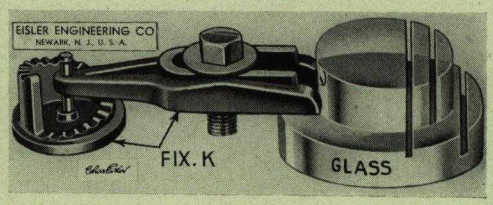
Fixtures E and F

BOTTLE HOLDING FIXTURE



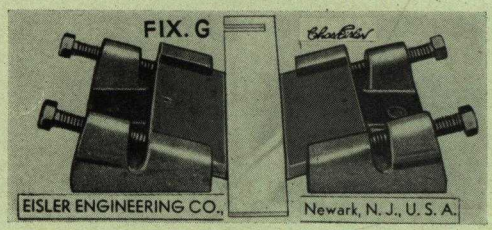
Fixture J

SPECIAL GLASS HOLDING FIXTURE



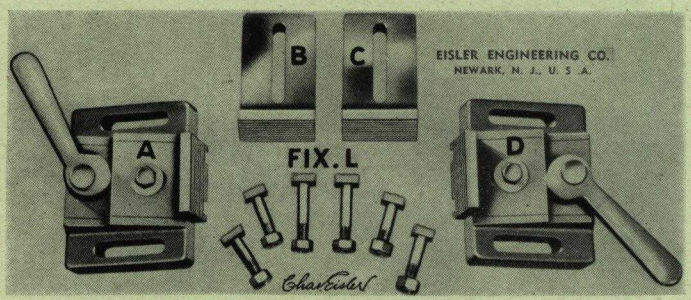
Fixture K

SPECIAL FLAT GLASS HOLDING FIXTURE



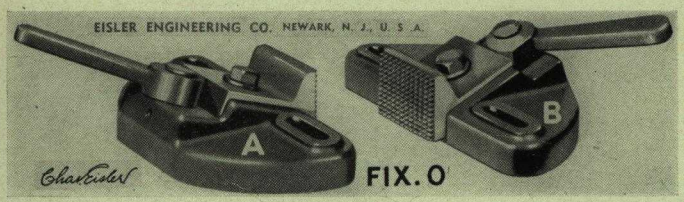
Fixture G

CLAMPERS



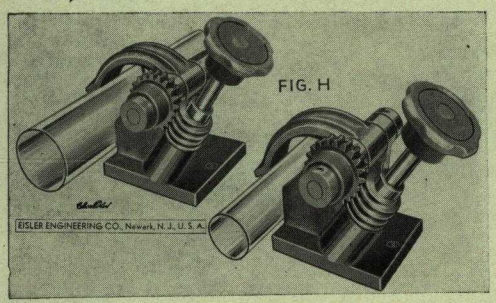
Fixture A, B, C and D

CLAMPERS



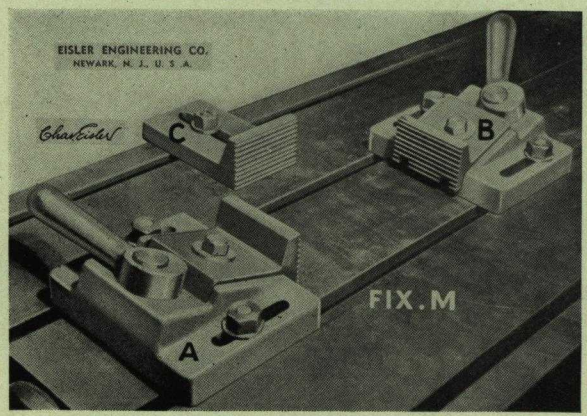
Fixture O

ADJUSTABLE TYPE TUBE HOLDER



Fixture H

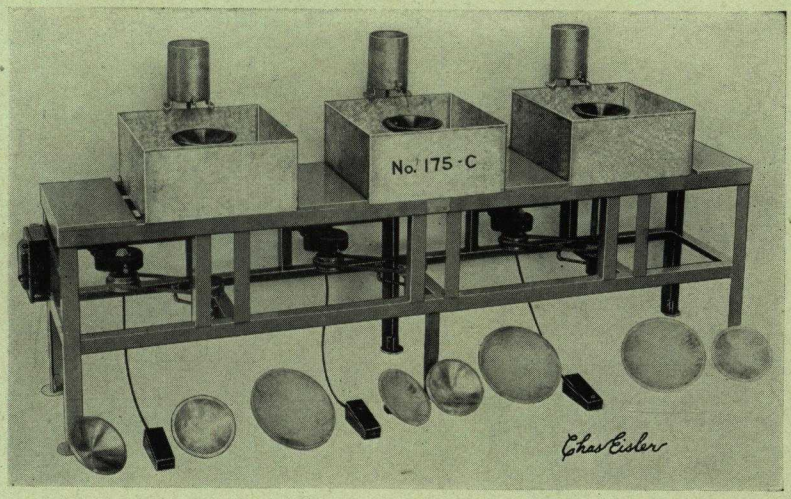
CLAMPERS



Fixture M

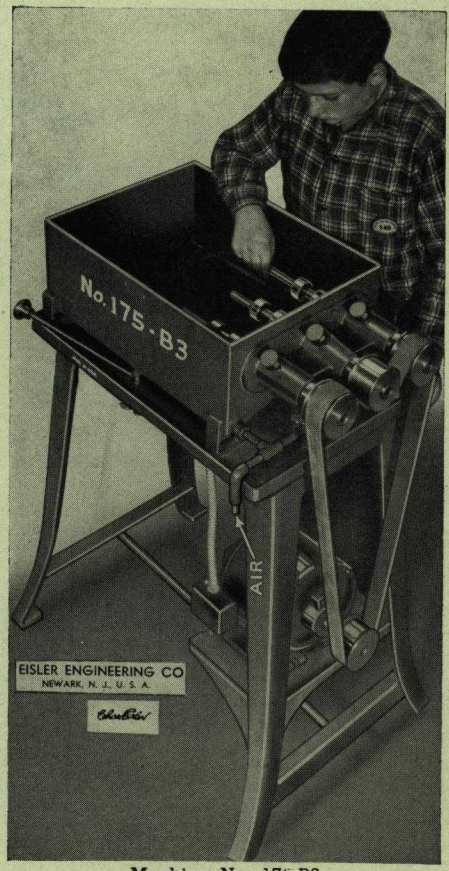
LAPPING AND GRINDING MACHINES

REFLECTOR GRINDING MACHINE



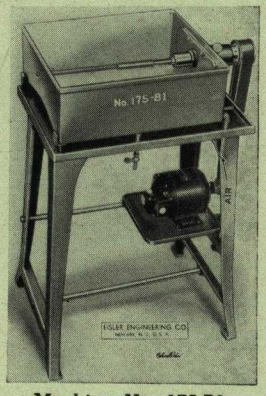
Machine No. 175-C

3-SPINDLE LAPPING MACHINE



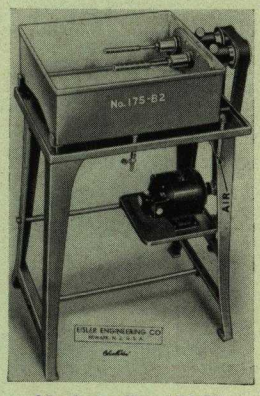
Machine No. 175-B3

SINGLE SPINDLE LAPPING MACHINE



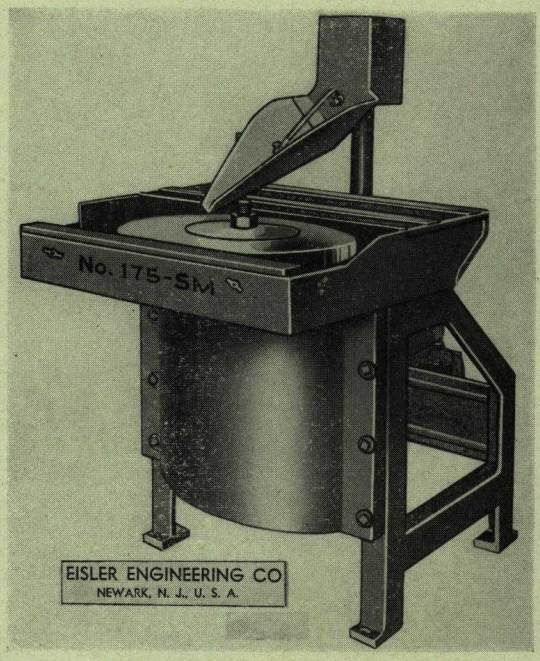
Machine No. 175-B1

2-SPINDLE LAPPING MACHINE



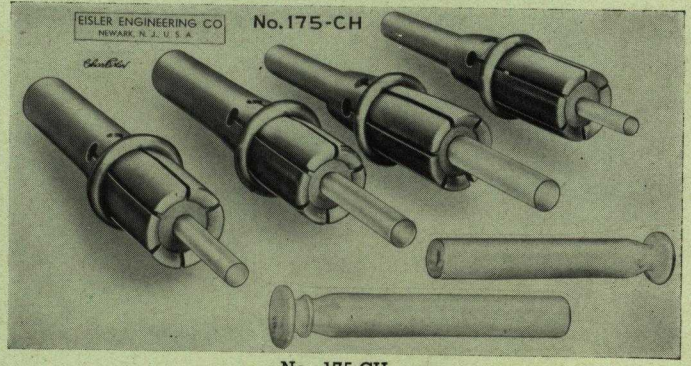
Machine No. 175-B2

LAPPING AND GRINDING MACHINE



Machine No. 175-SM

LAPPING CHUCKS

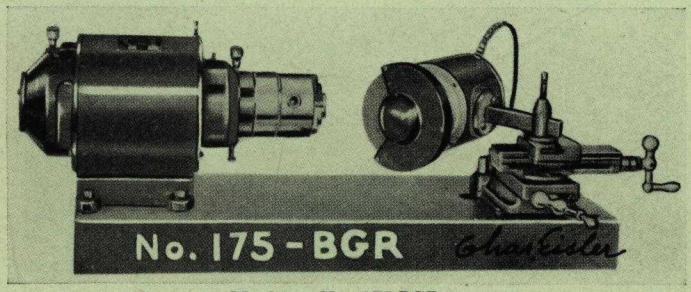


No. 175-CH

GLASS GRINDING AND LAPPING MACHINES

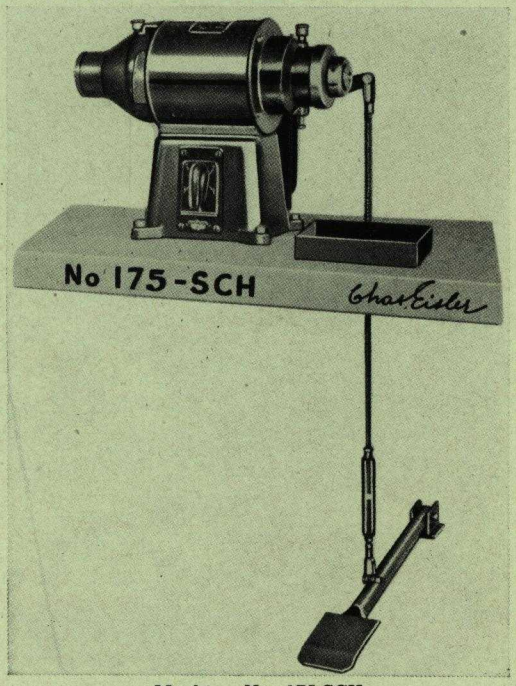
THE SIZE OF MOTOR DEPENDS ON THE TYPE OF WORK ON THE MACHINE

MOTORIZED BENCH TYPE GRINDER



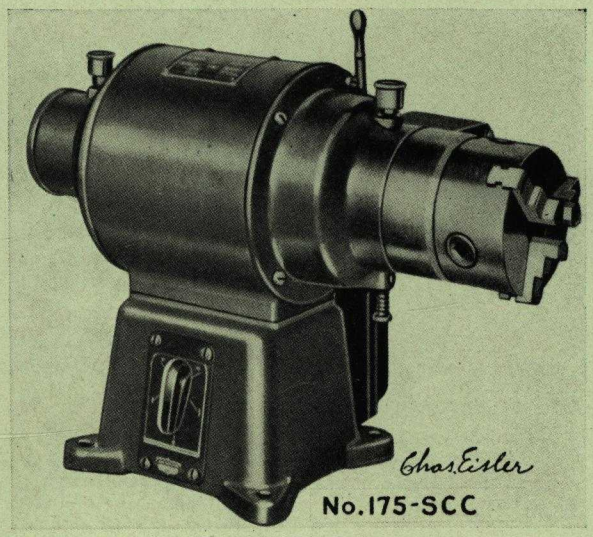
Machine No. 175-BGR

MOTORIZED POLISHING HEAD



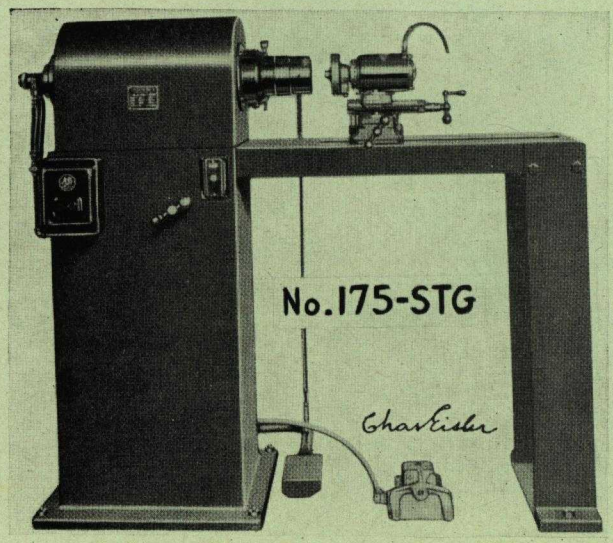
Machine No. 175-SCH

MOTORIZED POLISHING HEAD



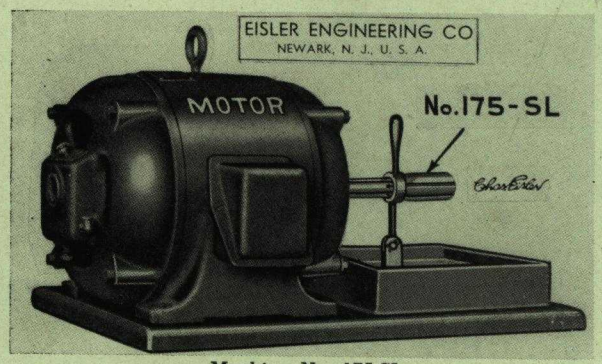
Machine No. 175-SCC

POLISHING MACHINE, MOTOR DRIVEN



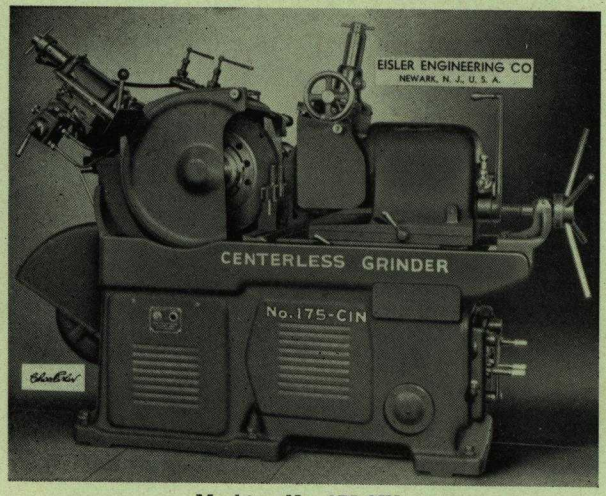
Machine No. 175-STG

POLISHING HEAD, BENCH TYPE



Machine No. 175-SL

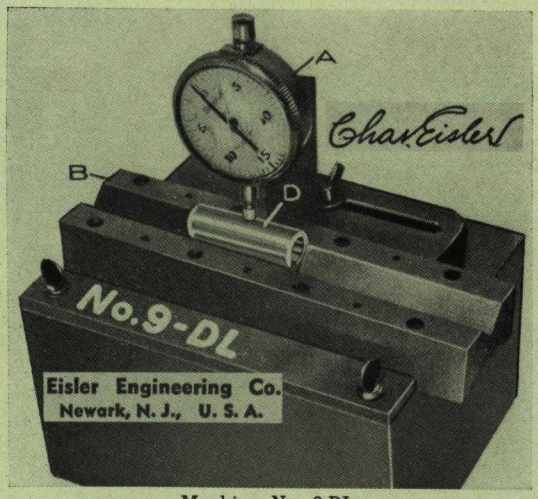
CENTERLESS PISTON GRINDER FOR GRINDING PISTONS CAN BE SUPPLIED BY US



Machine No. 175-CIN

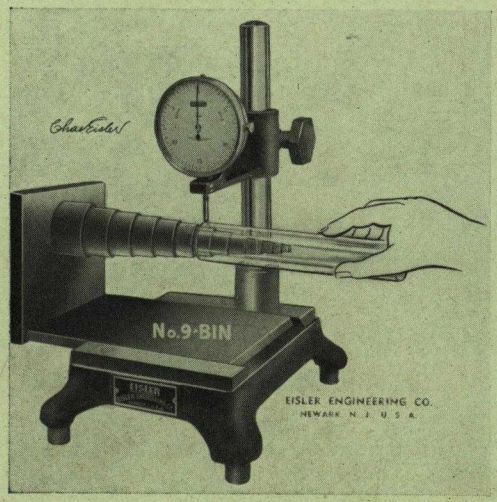
GLASS TUBE GAUGING AND MEASURING

OUTSIDE TUBE DIAL GAUGE



Machine No. 9-DL

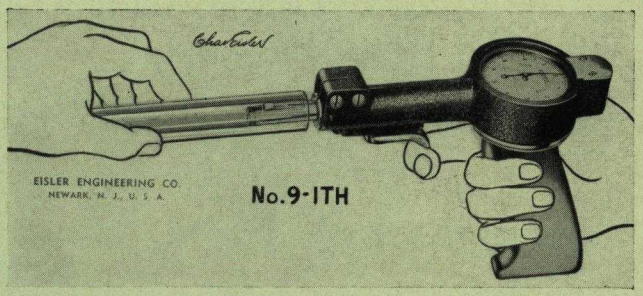
INSIDE AND OUTSIDE DIAL GAUGE



Machine No. 9-BIN

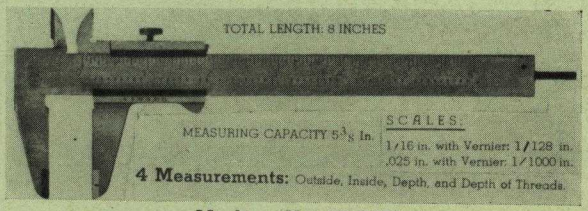
A FEW OF THE MANY GLASS TUBE GAUGES THAT WE CAN SUPPY IN MILLIMETER OR ENGLISH MEASUREMENT

INSIDE TUBE DIAL GAUGE



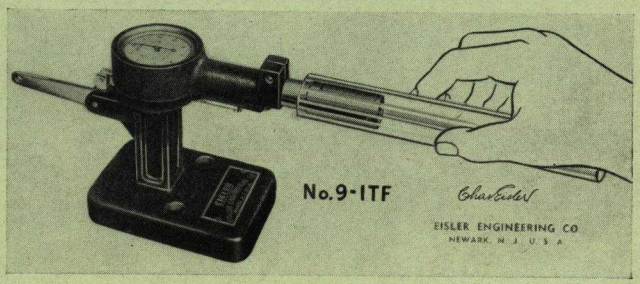
Machine No. 9-ITH

MEASURING CALIPER


TOTAL LENGTH: 8 INCHES
MEASURING CAPACITY 5 3/8 In.
SCALES:
1/16 in. with Vernier: 1/128 in.
.025 in. with Vernier: 1/1000 in.
4 Measurements: Outside, Inside, Depth, and Depth of Threads.

Machine No. 99-CAL

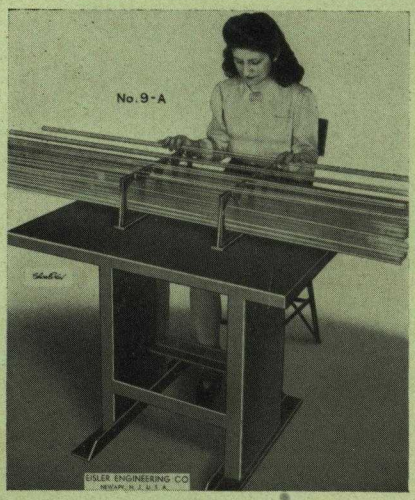
INSIDE TUBE DIAL GAUGE



Machine No. 9-ITF

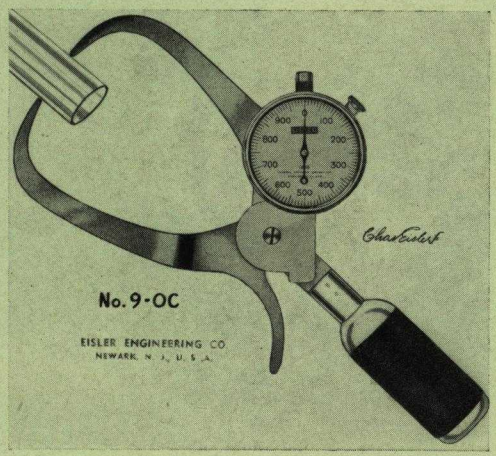
WALL THICKNESS DIAL GAUGES

TUBE SORTING GAUGES

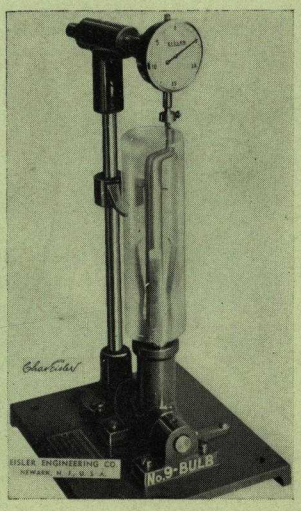


Machine No. 9-A

DIAL GAUGE CALIPER



Machine No. 9-OC



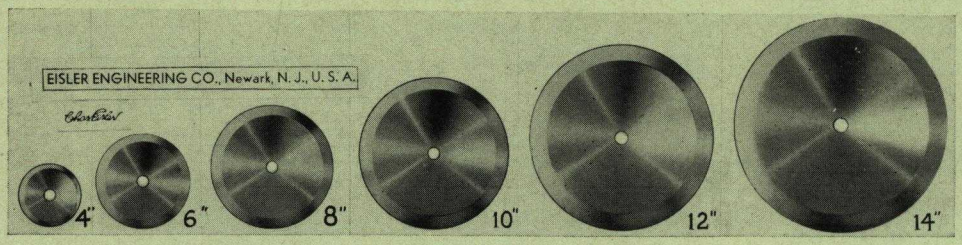
Machine No. 9-BULB

GLASS CUTTING DISCS

WE CAN SUPPLY ALL SIZES AND TYPES OF DISCS
FOR WET OR DRY CUTTING GLASS TUBING

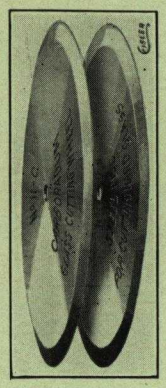
STEEL CUTTING DISCS

WE CAN SUPPLY STEEL CUTTING DISCS FROM 4" TO 16" IN ANY STANDARD OR ODD SIZES.
WE ALSO HAVE A VARIETY OF THIN STEEL SLITTING DISCS AND CARBORUNDUM WHEELS



CARBORUNDUM WHEELS

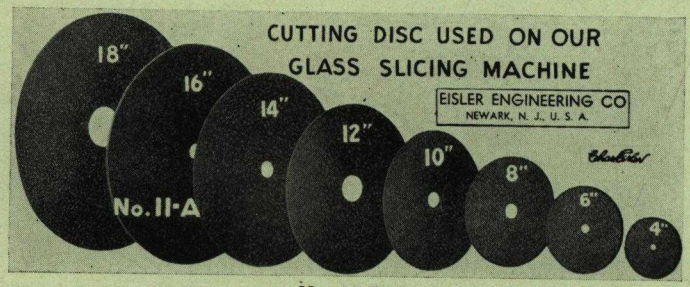
AND STEEL DISCS
in all sizes for tube cutting



No. 11-C and No. 11-S

RUBBER BASE CUTTING DISCS

SIZES FROM 4" TO 18" DIAMETER
FROM $\frac{1}{16}$" TO $\frac{1}{8}$" THICKNESS
Specially made for
EISLER WET GLASS SLICERS



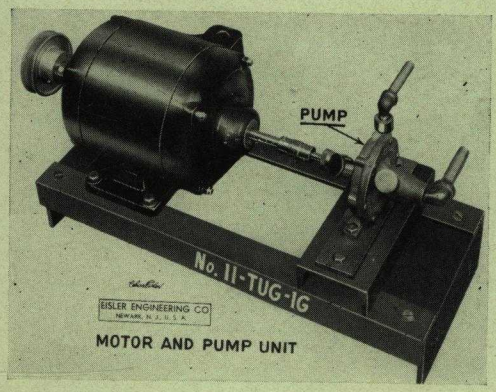
No. 11-A

PUMP UNITS FOR EISLER GLASS SLICERS

ALL WATER PUMPS ARE DIRECTLY CONNECTED TO MOTORS WHICH ALSO
DRIVE THE GLASS CUTTING DISCS

12" CUTTING MACHINE UNIT

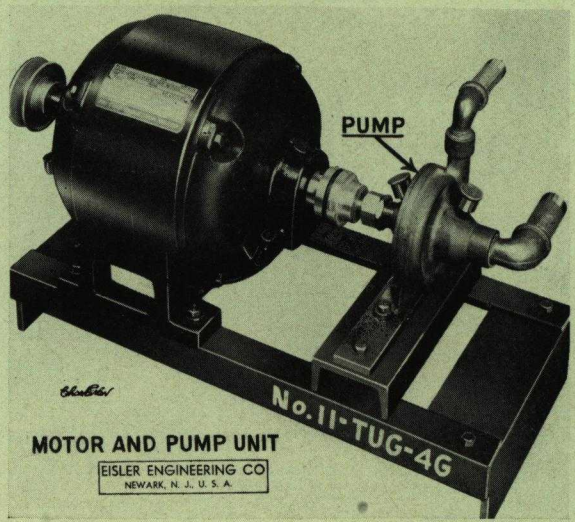
$\frac{1}{4}$" INLET, $\frac{1}{8}$" OUTLET
CAPACITY: 50 GALLONS PER HOUR. 1,725 R.P.M.



Machine No. 11-TUG-IG

14" AND 16" CUTTING MACHINE UNIT

$\frac{3}{4}$" INLET, $\frac{1}{2}$" OUTLET
CAPACITY: 450 GALLONS PER HOUR. 1,725 R.P.M.

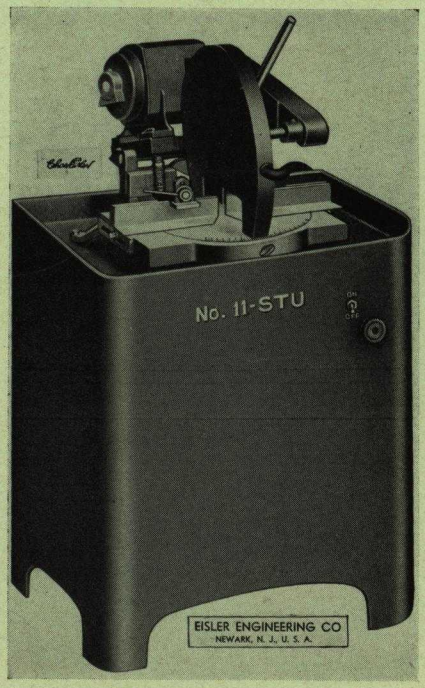


Machine No. 11-TUG-4G

METAL CUTTING MACHINE

METAL CUTTING MACHINE

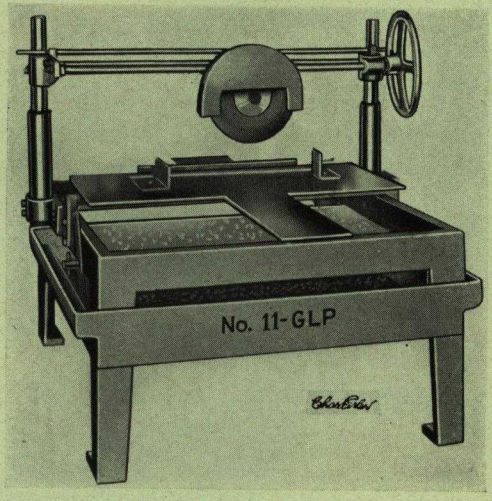
FOR CUTTING ALL TYPES OF LIGHT METAL BARS, SHEETS, ETC.



Machine No. 11-STU

PLATE GLASS AND JAR CUTTER

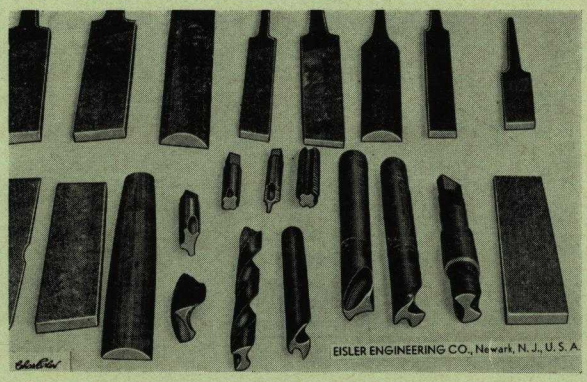
12" CUTTING WHEEL. WATER COOLED. DRIVEN BY A ¾ H.P. MOTOR. MADE IN SEVERAL SIZES



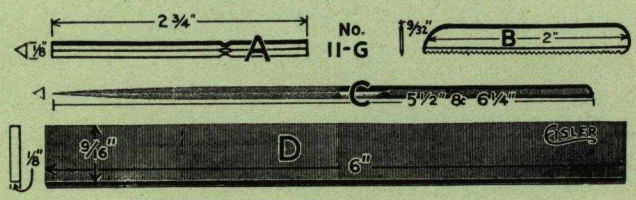
Machine No. 11-GLP

SHOWING A FEW OF THE MANY TYPES OF METAL CUTTING THAT CAN BE DONE ON MACHINE No. 11-STU

ANY OF THE EISLER GLASS SLICING MACHINES CAN BE UTILIZED FOR METAL CUTTING.



GLASS FILES



A—Three Square Ampule Cutter

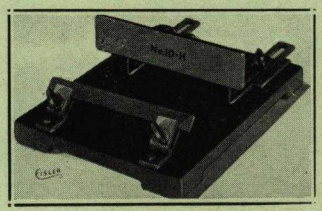
B—Flat Ampule Cutter

C—Three Square Round Handle File

D—Flat Glass File

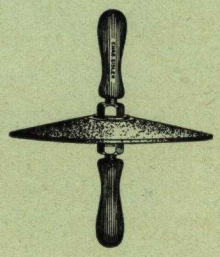
HAND OPERATED GLASS CUTTER

ADJUSTABLE FOR LENGTH



Machine No. 10-H

STEEL DISC WHEEL DRESSER



No. 10-DD

CONDITIONS

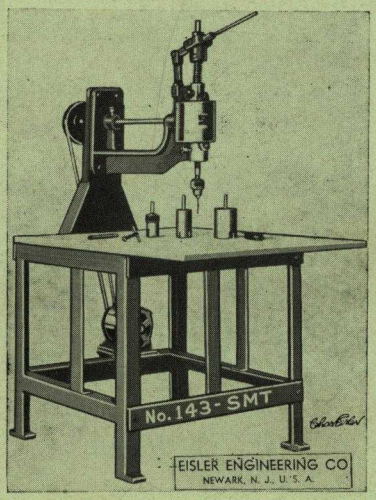
Typographical errors are subject to correction. Quotations are for prompt acceptance and subject to change without notice. Deliveries are F.O.B. factory, Newark, New Jersey. All contracts and orders are subject to approval by the home office. All agreements are contingent upon fires, strikes, floods, tornadoes, accidents and other delays unavoidable or beyond our control, including delivery of material to us. We cannot be held liable for unavoidable delays, patent infringement claims, or damages over which we have no control. An order once placed with and accepted by us cannot be cancelled as all machines are made special to specifications or customer's requirements. Any part of a machine failing within one year from shipment and proven defective, not including part subject to usual wear and tear, will be replaced free of charge, F.O.B. factory, Newark, New Jersey. But no claim for damages or labor will be allowed. We assume no responsibility for goods damaged in transit. Shipping promise dates are made as prompt as possible. We cannot assume damages for delays in deliveries. Terms: Net, thirty days from date of invoice, to parties of approved credit. We hope that we may receive your order.

EISLER ENGINEERING COMPANY
CHAS. EISLER, President

CIRCULAR GLASS CUTTING AND GLASS DRILLING MACHINES

THREE SPEED GLASS DRILLING MACHINE

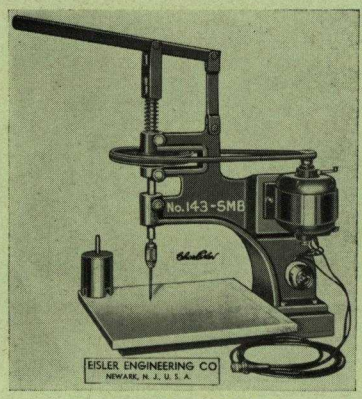
THIS FLOOR STAND GLASS DRILLING MACHINE IS OF STRONG AND STURDY CONSTRUCTION WITH A TABLE TOP 31″x42″. THIS MACHINE WILL DRILL TO THE CENTER OF A 48″ DIAMETER CIRCLE. FLOOR SPACE REQUIRED 42″x42″. SHIPPING WEIGHT 400 POUNDS



Machine No. 143-SMT

BENCH TYPE GLASS DRILLING MACHINE

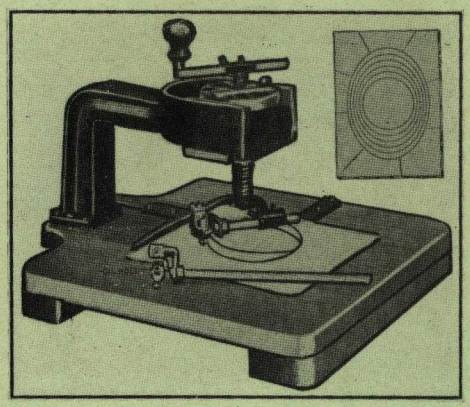
THIS MACHINE WILL DRILL TO THE CENTER OF A 24″ DIAMETER CIRCLE. TABLE IS 16″x21″. BENCH SPACE REQUIRED 22″x16″. SHIPPING WEIGHT 125 POUNDS



Machine No. 143-SMB

COMBINATION OVAL AND CIRCLE CUTTER

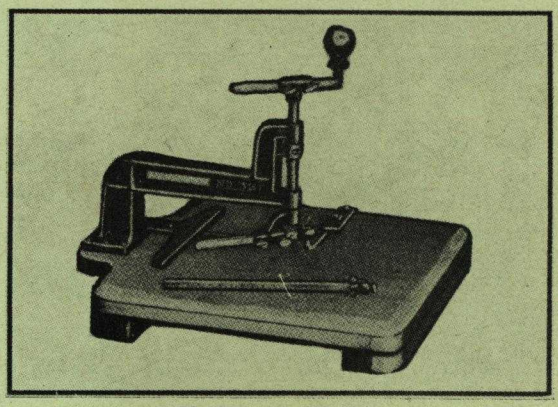
AN ACCURATE AND RELIABLE MACHINE FOR CUTTING PERFECT OVALS AND CIRCLES; NO PATTERN IS REQUIRED. FITTED WITH TWO ADJUSTABLE METAL STOPS FOR CENTERING SHEET GLASS. CUTS OVALS 1″x1¼″ TO 12″x15″. NOT MORE THAN 3″ LONGER THAN WIDE. CUTS CIRCLES 1″ TO 14″. MADE IN VARIOUS SIZES



Machine No. 11-KL

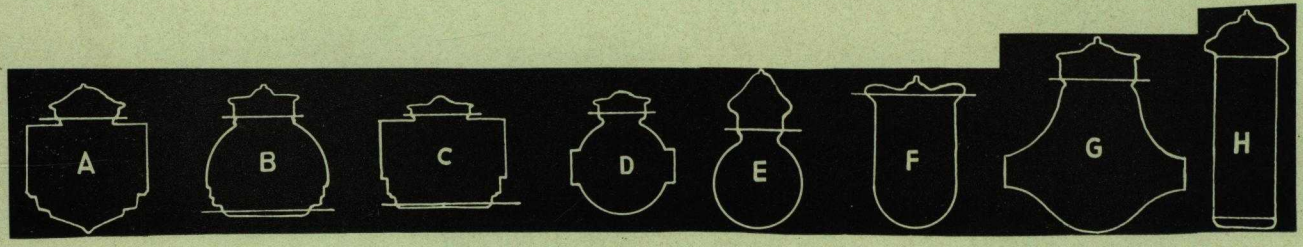
RAPID CIRCULAR GLASS CUTTING MACHINE

THIS MACHINE IS FOR RAPID PRODUCTION WORK. HAS THUMB SCREW ADJUSTABLE CRANK AND CUTTING SCALE. ADJUSTABLE METAL STOPS FOR CUTTING FROM SQUARES OR STRIPS. USES STEEL WHEELS OR DIAMONDS. CUTS CIRCLES ½″ TO 14″. ALL PARTS INTERCHANGEABLE. MADE IN VARIOUS SIZES



Machine No. 11-KLA

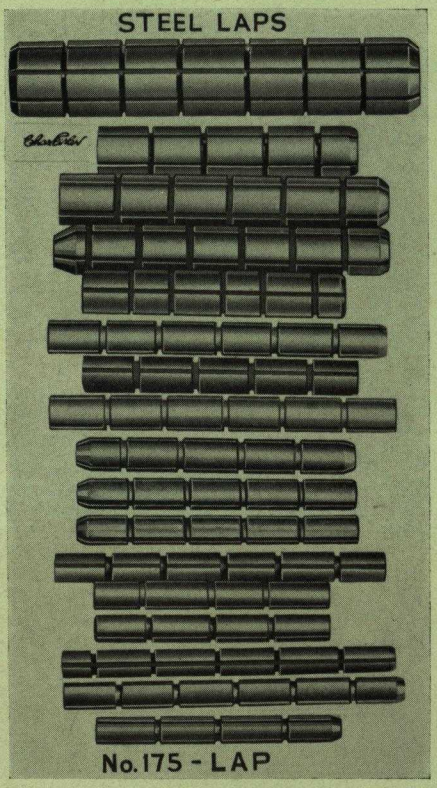
ILLUSTRATED ARE JUST A FEW OF THE MANY TYPES OF ARTICLES THAT CAN BE CUT BY CHAS. EISLER'S WET SLICING MACHINES. LET US HAVE YOUR SPECIFICATIONS AND WE WILL RECOMMEND THE MACHINE MOST SUITABLE FOR YOUR NEEDS.



ADJUSTABLE AND SOLID LAPS

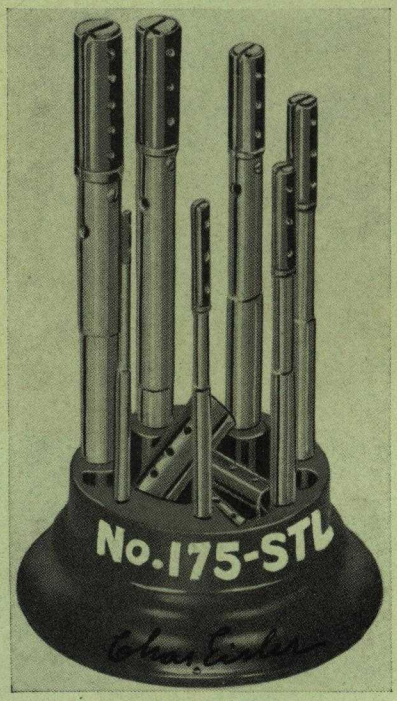
FOR SYRINGE MANUFACTURING AND SIMILAR GLASS WORK

SOLID LAPS



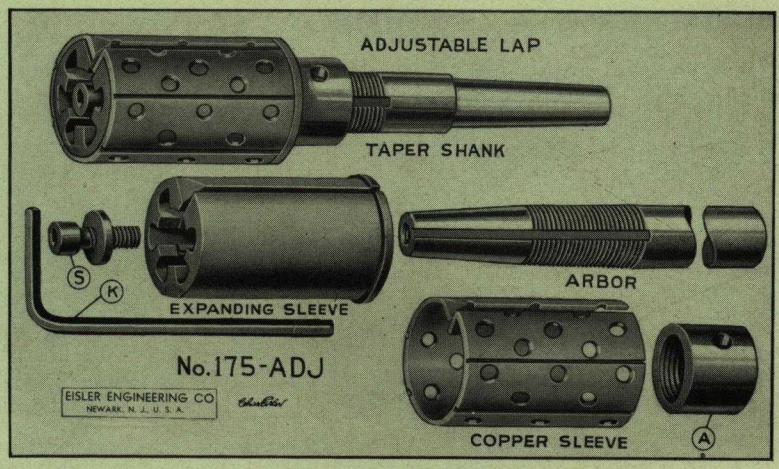
No. 175-LAP

ADJUSTABLE LAPS



No. 175-STL

ADJUSTABLE LAPS IN ALL SIZES WITH TAPERED SHANKS, REMOVABLE SLEEVE



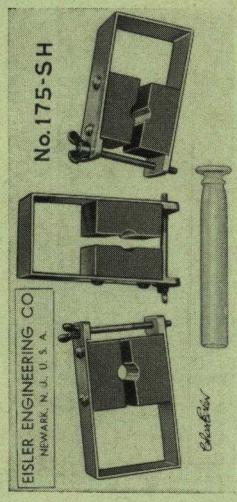
Machine No. 175-ADS

ADJUSTABLE LAPS WITH STRAIGHT SHANKS, REMOVABLE SLEEVES

Machine No. 175-SLL

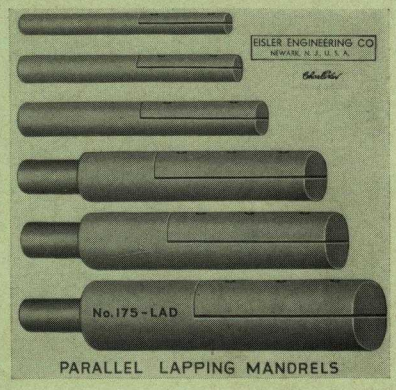
LAPPING MANDRELS IN ALL SIZES

CAST IRON OUTSIDE LAPS



No. 175-SH

PARALLEL LAPPING MANDRELS

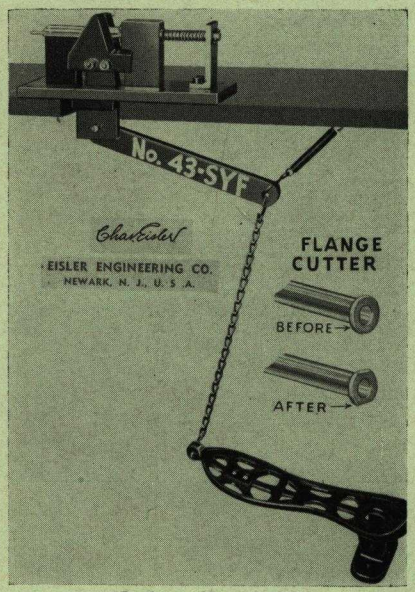


Machine No. 175-LAD

HOT GLASS CUTTING TOOLS

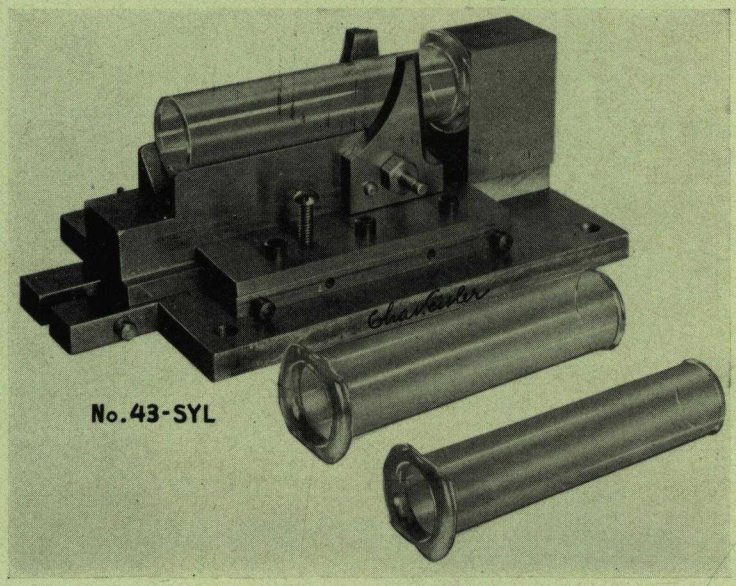
MADE IN MANY TYPES AND SIZES

FLANGE CUTTER (Small)



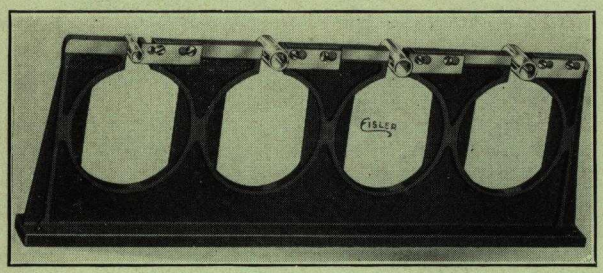
Machine No. 43-SYF

FLANGE CUTTER (Large)



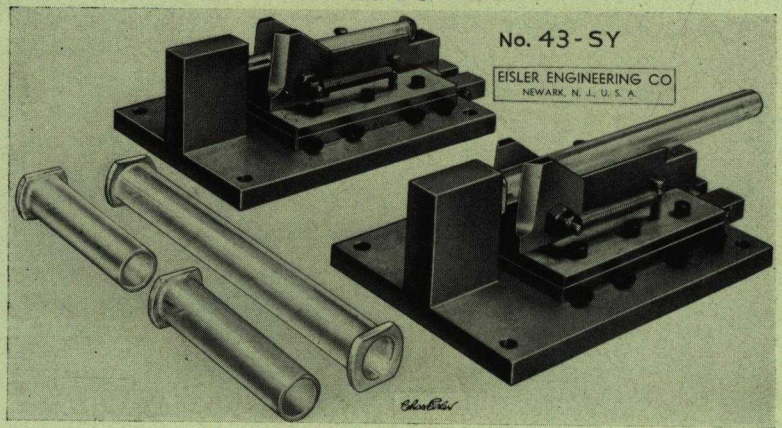
Machine No. 43-SYL

ADJUSTABLE GLASS TUBE SORTING GAUGE WITH JAWS OF HARDENED TOOL STEEL



Machine No. 9-A

FLANGE BUTTER

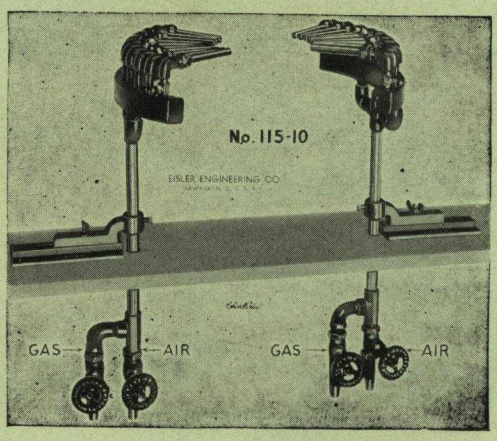


Machine No. 43-SY

BENCH CROSS FIRES

We manufacture the most complete line of Bench Fires of all kinds, for every type of glass work, including soft and hard glass. If you are in need of Burners we can supply many types and styles for gas, air, oxygen or hydrogen. Please ask for our catalog.

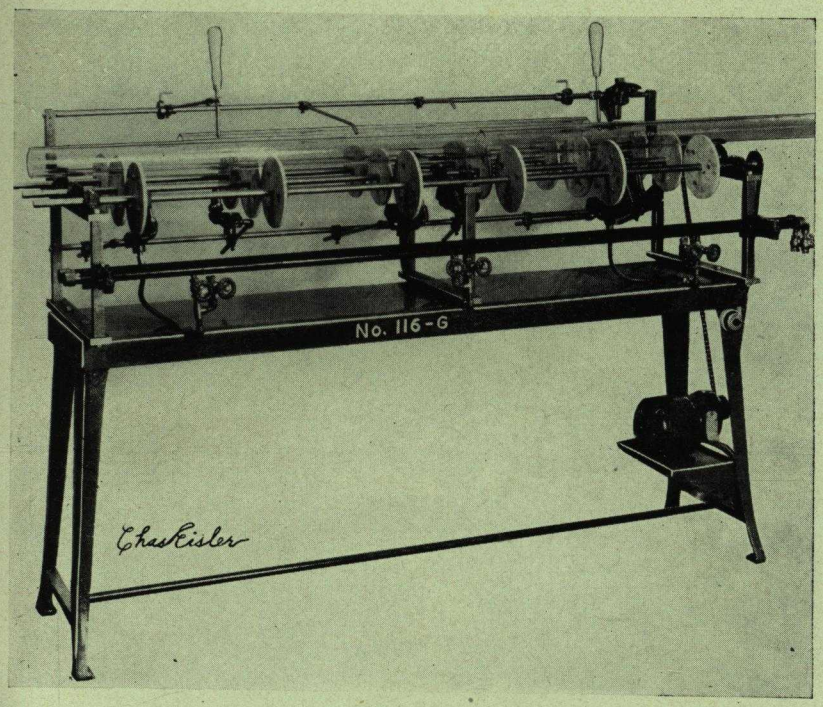
CROSS FIRES, BENCH TYPE



Machine No. 115-10

CHAS. EISLER'S CRACKING-OFF AND GLAZING MACHINES

THREE SPINDLE HORIZONTAL CRACKING-OFF AND GLAZING MACHINE FOR TUBULAR WORK



Machine No. 116-G

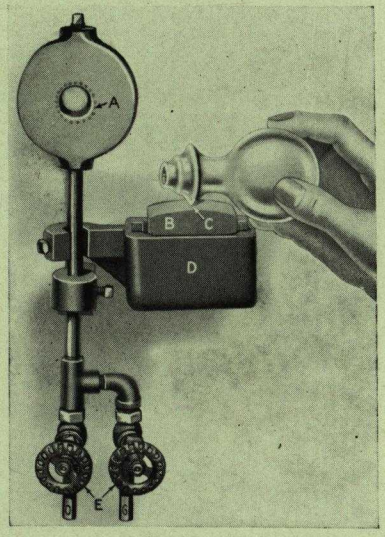
THIS TYPE OF MACHINE CAN BE SUPPLIED IN MANY DIFFERENT MODELS AND SIZES FOR MORE COMPLETE INFORMATION SEE OUR CATALOG

43 - B

WHEN ASKING FOR QUOTATIONS PLEASE SEND SAMPLES OR DRAWINGS OF YOUR REQUIREMENTS.

CRACKING-OFF FIRE AND WET STONE HOLDER

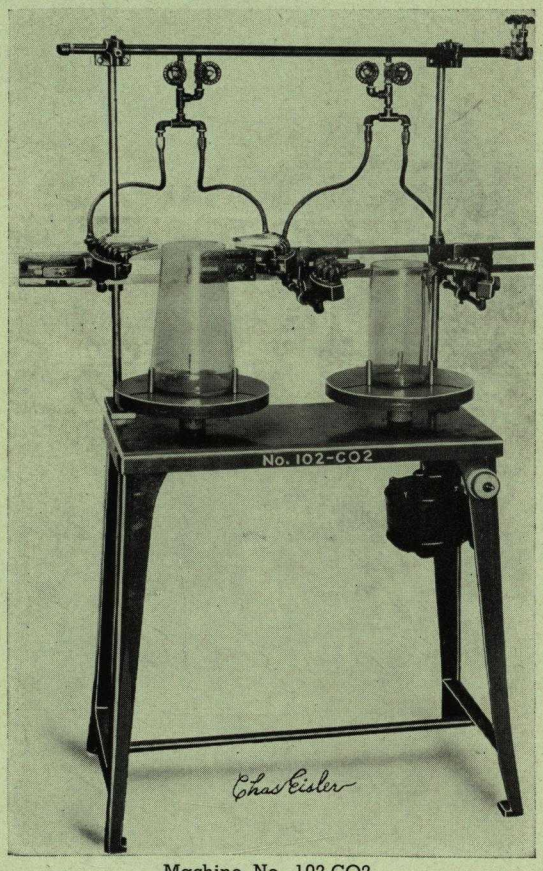
CAN BE SUPPLIED IN ANY NUMBER OF UNITS AND FOR VARIOUS DIAMETERS OF GLASS BULBS



No. 113-ES

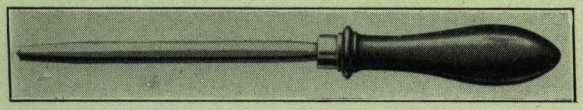
MACHINE No. 102-CO2

THIS MACHINE IS A TWO POSITION CRACKING-OFF AND GLAZING MACHINE WITH ADJUSTABLE FIRES. MADE IN SEVERAL SIZES



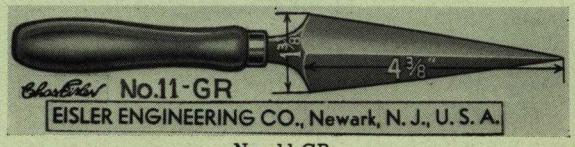
Machine No. 102-CO2

GLASS CUTTING WHEEL DIAMOND DRESSER



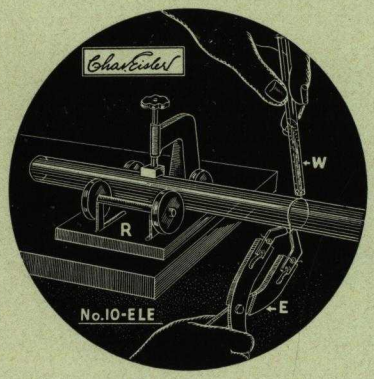
No. 10-D

GLASS CUTTING KNIFE



No. 11-GR

HOT WIRE CRACK OFF FOR GLASS TUBING



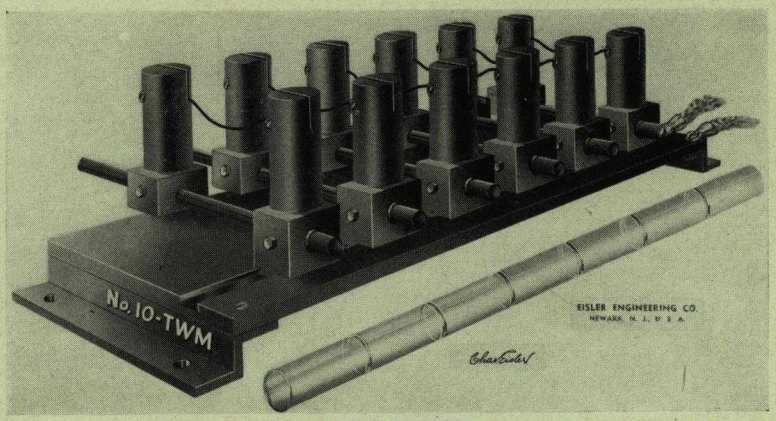
HOT WIRE GLASS
TUBE CUTTER
No. 10-ELE
Made for large Diameter of
Glass Tubing

The Hot Wire Glass Cracking Off Machine No. 10-SH is used for cutting Tubings up to four inches. An adjustable arm regulates the arc of the wire loop when the cutting of different size Tubing is required. The machine is supplied with a heating equipment for 110 volt or 220 volt, 50-60 cycle, alternating current.

HOT WIRE CRACKING OFF

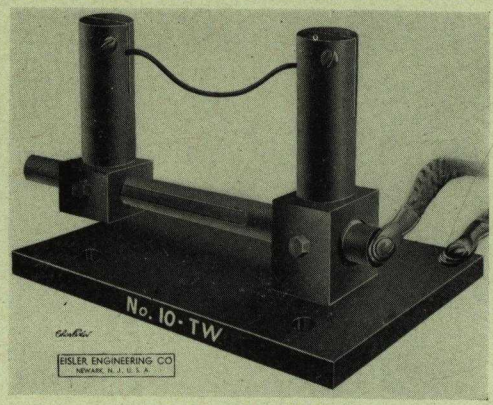
Machine No. 10-SH

MULTIPLE HOT WIRE CRACK OFF



Machine No. 10-TWM

HEAVY TYPE OF HOT WIRE CRACK OFF



Machine No. 10-TW

EISLER AUTOMATIC BEAD GLASS TUBE CUTTER

Eisler Patent No. 2,093,147

THIS MACHINE CAN BE USED FOR SOFT OR HARD GLASS, TO ANY DESIRED LENGTH

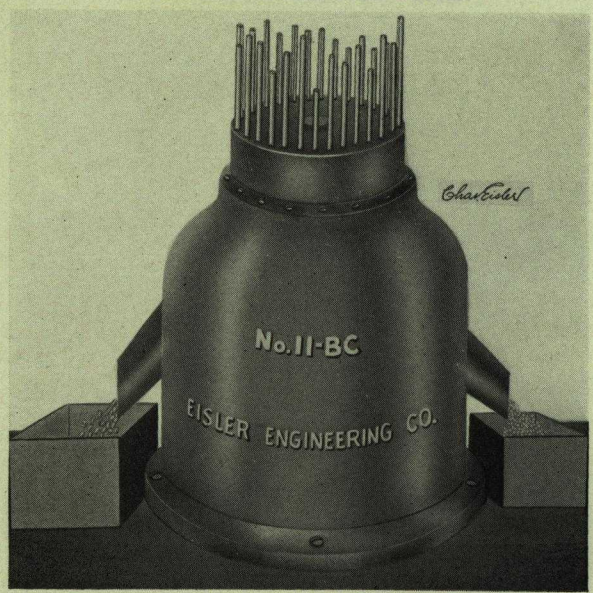
THIS HIGH SPEED BEAD CUTTER

CAN CUT AS MANY AS 30,000 LENGTHS OF GLASS PER HOUR

General Information

Diameter of Glass Tubing, 1/16" to 1/9"
Length of Glass Tubing, 1/8" to 2"
Motor ¼ H.P., 1,725 R.P.M.
Production, 30,000 to 40,000 per hour.
Operators required—one.
Floor space required, 24"x24"
Net weight, floor type, 300 pounds
Net weight, bench type, 200 pounds

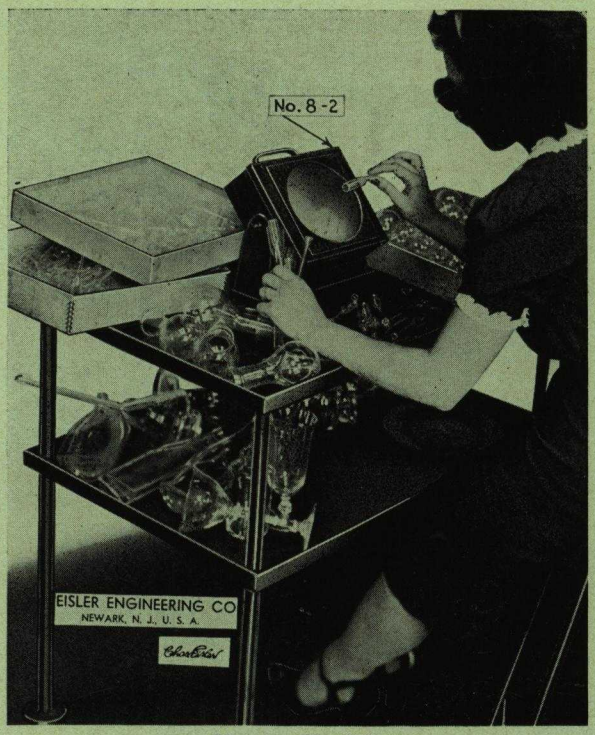
AUTOMATIC GLASS TUBE CUTTER



Machine No. 11-BC

POLARISCOPE, GLASS STRAIN DETECTOR

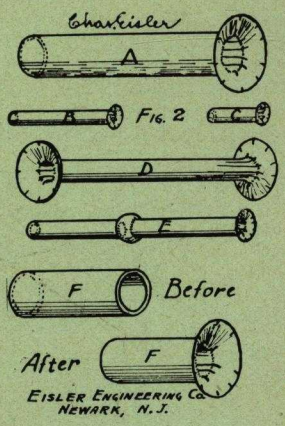
FOR DETECTING FLAWS OR STRAINS IN ALL TYPES OF GLASS PARTS

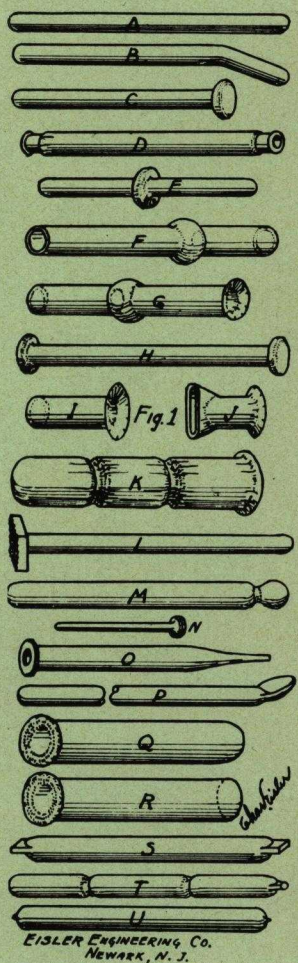


Machine No. 8-2

SMALL POLARISCOPE

Machine No. 8-2A

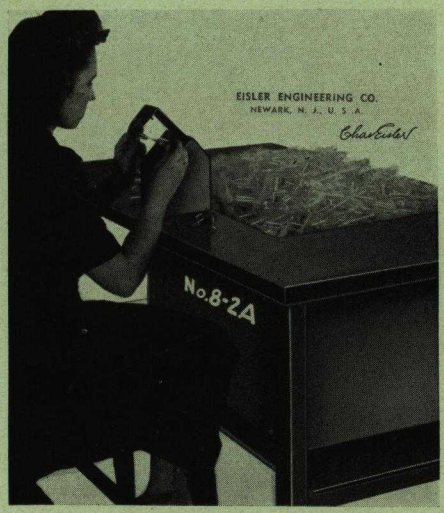




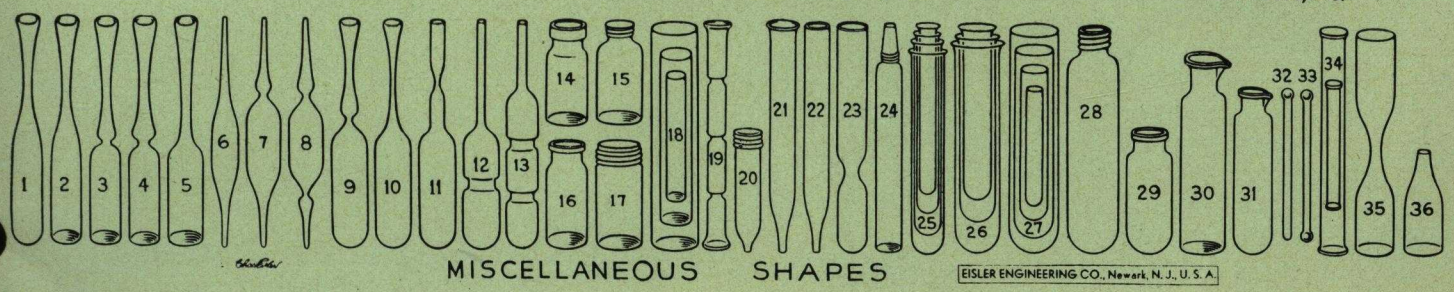
INSPECTING GLASS STRAINS

Machine No. 8-2 Group

AMPULE STRAIN INSPECTION



Machine No. 8-2A

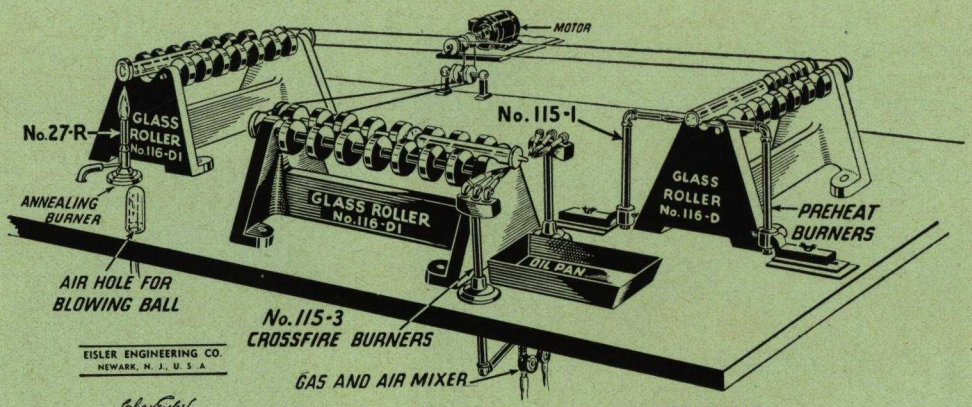


WE CAN SUPPLY MACHINES FOR ALL SHAPES

SPECIAL GLASS WORKING EQUIPMENT OF ALL KINDS

If your work calls for Special Equipment we manfacture over 500 Types. Please write to Chas. Eisler, we may have just the Type of equipment you require.

WE CAN SUPPLY ALL KINDS OF GLASS ROLLERS



GLASS WORKING ARRANGEMENT

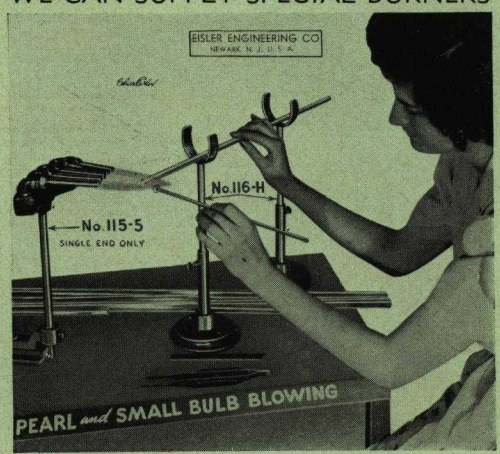
Ornamental Glass Working Unit with "Pyrofax" High Pressure Gas Container and Reducing Valve

Machine No. 57-ORN

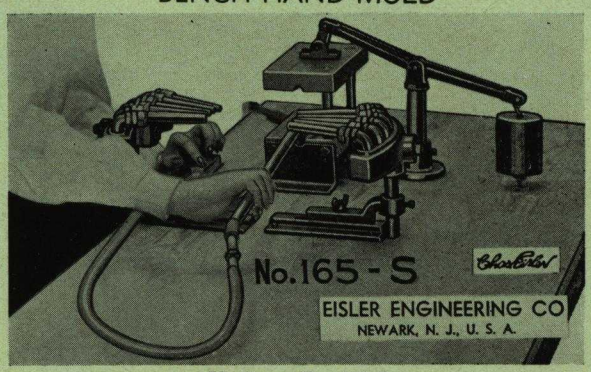
WE CAN SUPPLY ANNEALING OVENS GAS OR ELECTRCAL HEATED

Machine No. 85-DET

WE CAN SUPPLY SPECIAL BURNERS



BENCH HAND MOLD



Machine No. 165-S

WE MANUFACTURE MANY SPECIAL TYPES OF GLASS CUTTERS AND HOT WIRE CUTTERS, ELECTRICALLY HEATED WIRE TYPES

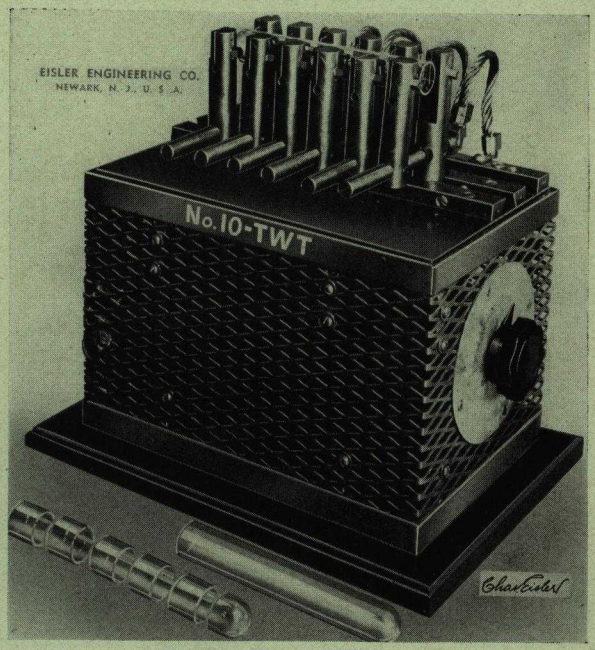
SPECIAL AMPULE CUTTER, BALL BEARING TYPE

Motor ¼ H.P., 3,500 R.P.M., with Air Jet

Machine No. 10-XBA

HOT WIRE CRACK OFF, MULTIPLE TYPE

5 K.V.A., 220 Volts, for Hard or Soft Glass Tubing



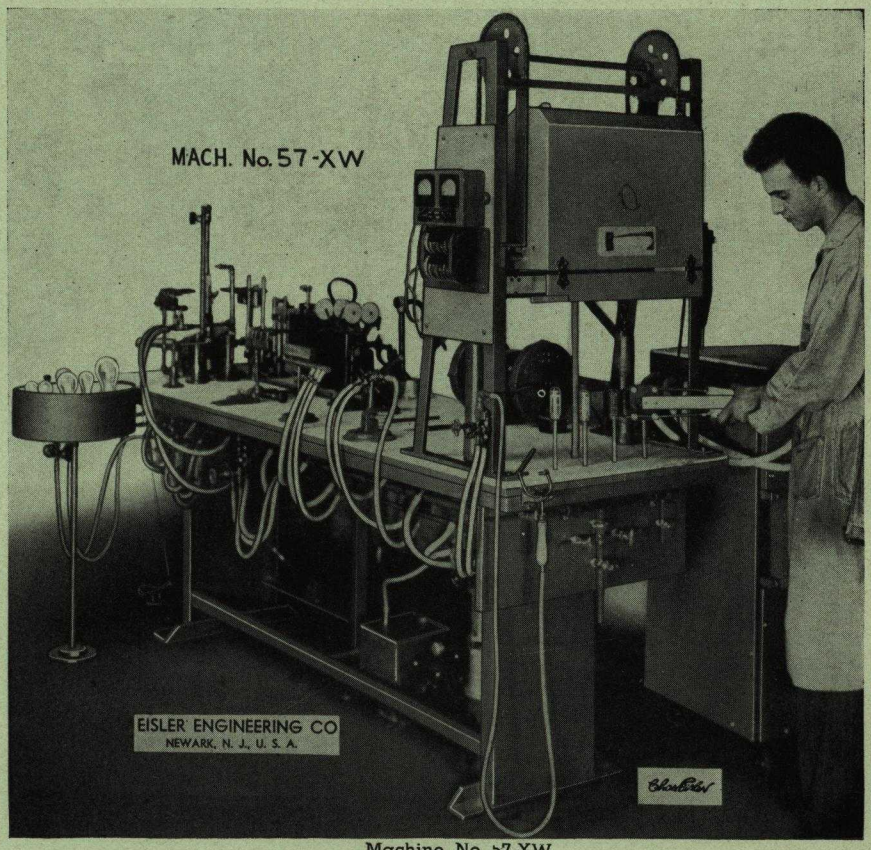
Machine No. 10-TWT

GLASS WORKING UNIT

No. 57-XW

Showing one of the many special Laboratory Units made in about 50 different models, depending on the nature of your special requirement. Eisler can supply your special needs.

If you are in need of Special Glass Units one of our Special Types may fit your requirements. Ask for complete catalog.



Machine No 57-XW

MISCELLANEOUS GLASS BLOWERS' ACCESSORIES

A few of the many types of glass blowers' accessories which can be supplied. When ordering specify number.

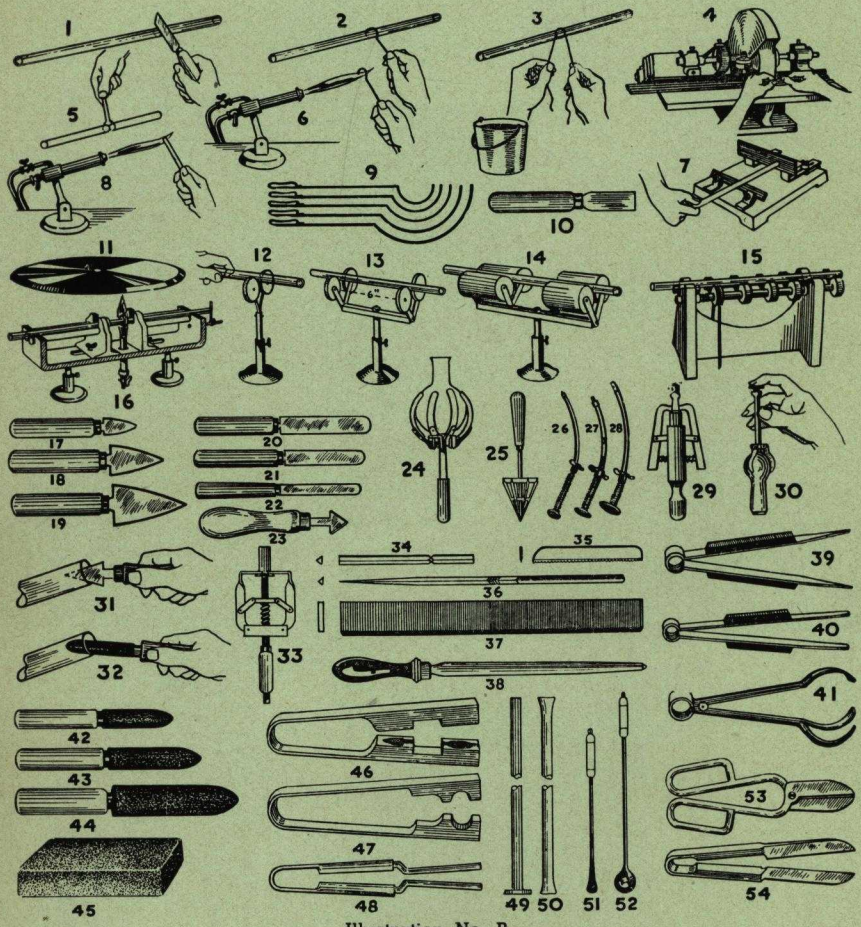
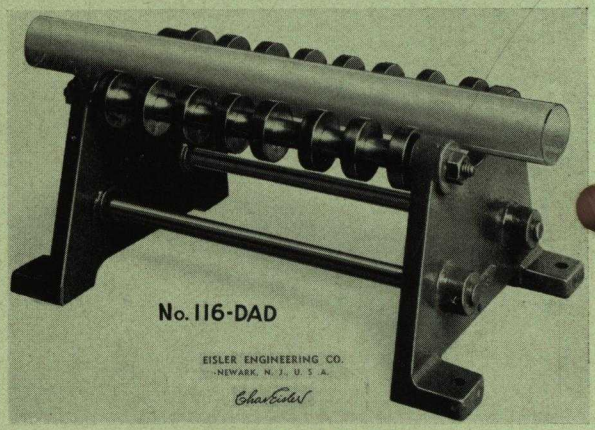


Illustration No. B

BENCH CROSS FIRES AND SPECIAL TOOLS

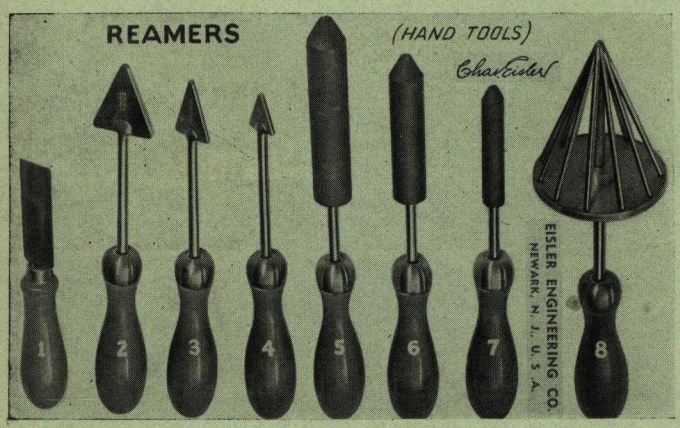
Machine No. 115-5

GLASS ROLLERS MADE IN MANY SIZES



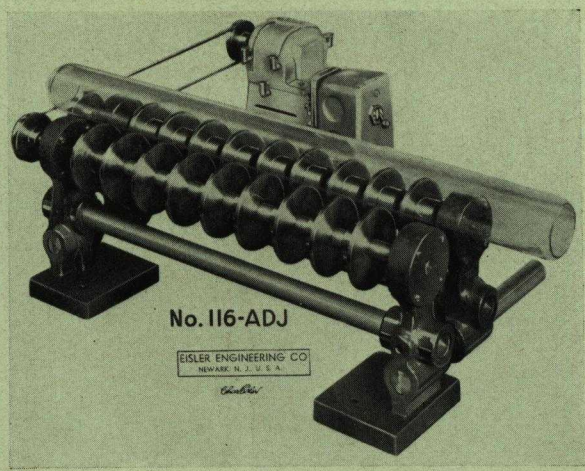
Machine No. 116-DAD

A FEW OF THE MANY GLASS WORKERS' TOOLS



HAND REAMERS

ADJUSTABLE GLASS ROLLER WITH MOTOR BALL BEARING TYPE



Machine No. 116-ADJ

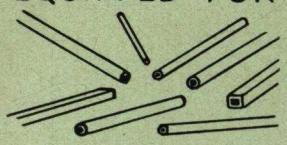
THE CHARLES EISLER LABORATORY UNIT

COMPACT AND COMPLETELY EQUIPPED FOR MAKING INCANDESCENT LAMPS, RADIO TUBES, ELECTRONIC TUBES, NEON ELECTRODES AND SIMILAR DEVICES

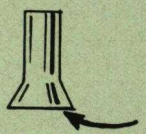
Electronic Laboratory Tube Making Equipment

This electronic tube making unit fills the needs of schools, colleges, experimental and research laboratories for a compact machine complete in itself and capable of performing all operations required in the construction of incandescent lamps, radio tubes, electronic tubes and similar devices.

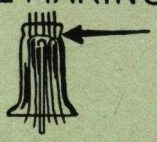
EQUIPPED FOR



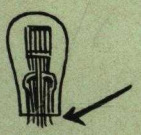
GLASS CUTTING



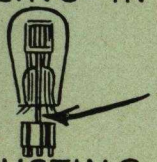
FLARE MAKING



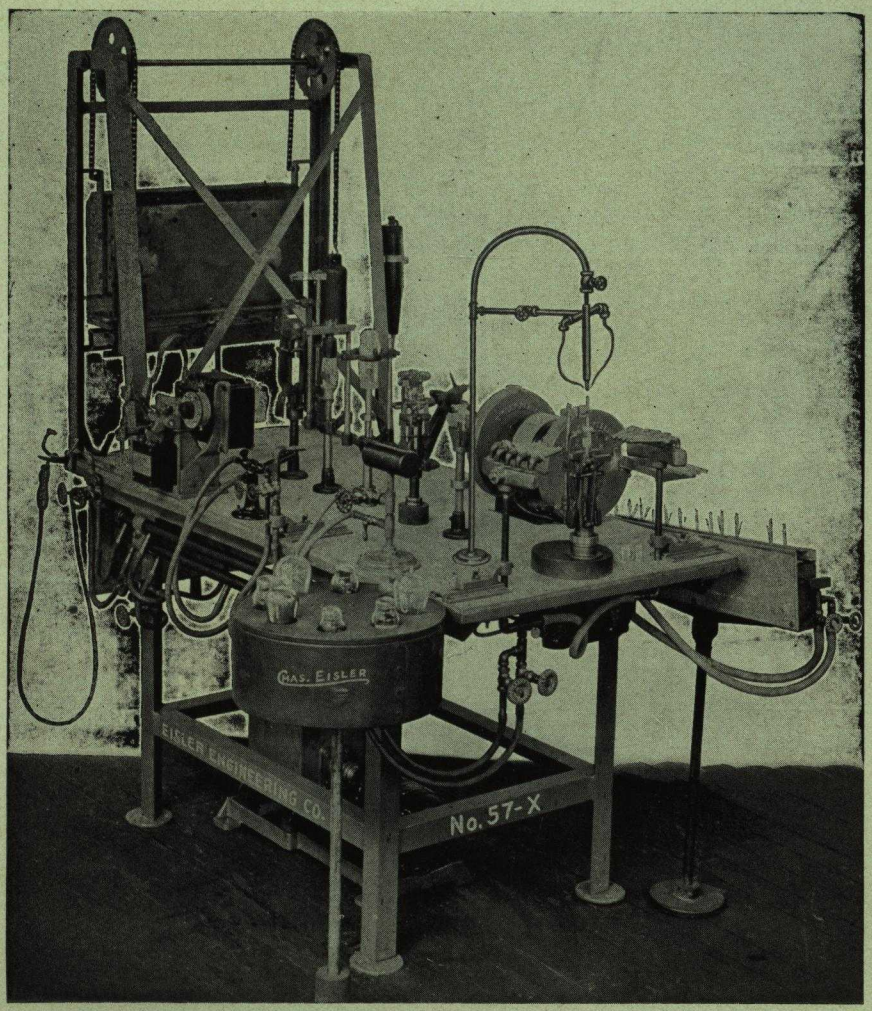
STEM MAKING



SEALING-IN

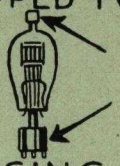


EXHAUSTING



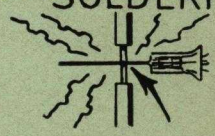
Machine No. 57-X (Rear View)

EQUIPPED FOR

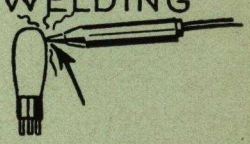


BASING

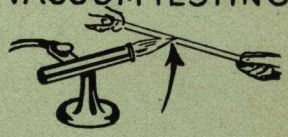
SOLDERING



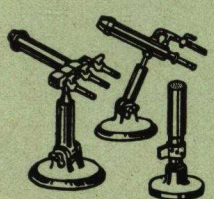
WELDING



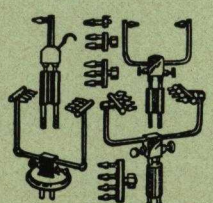
VACUUM TESTING



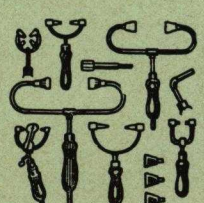
GLASS WORKING



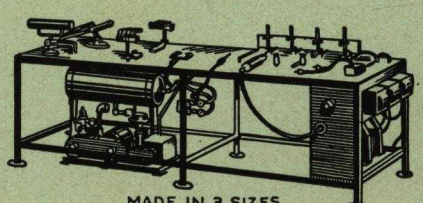
BLOW TORCHES



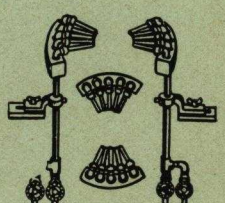
PYREX GLASS FIRES



TIPPING TORCHES



MADE IN 3 SIZES
NEON TUBE MAKING UNIT



CROSS FIRES

BURNERS AND ACCESSORIES

Artificial Gas—Natural Gas—Oxygen

Showing a few of the many different sizes, types and arrangements of burners.

MIXERS, TORCHES, RIBBON BURNERS, GLASS WORKING TOOLS

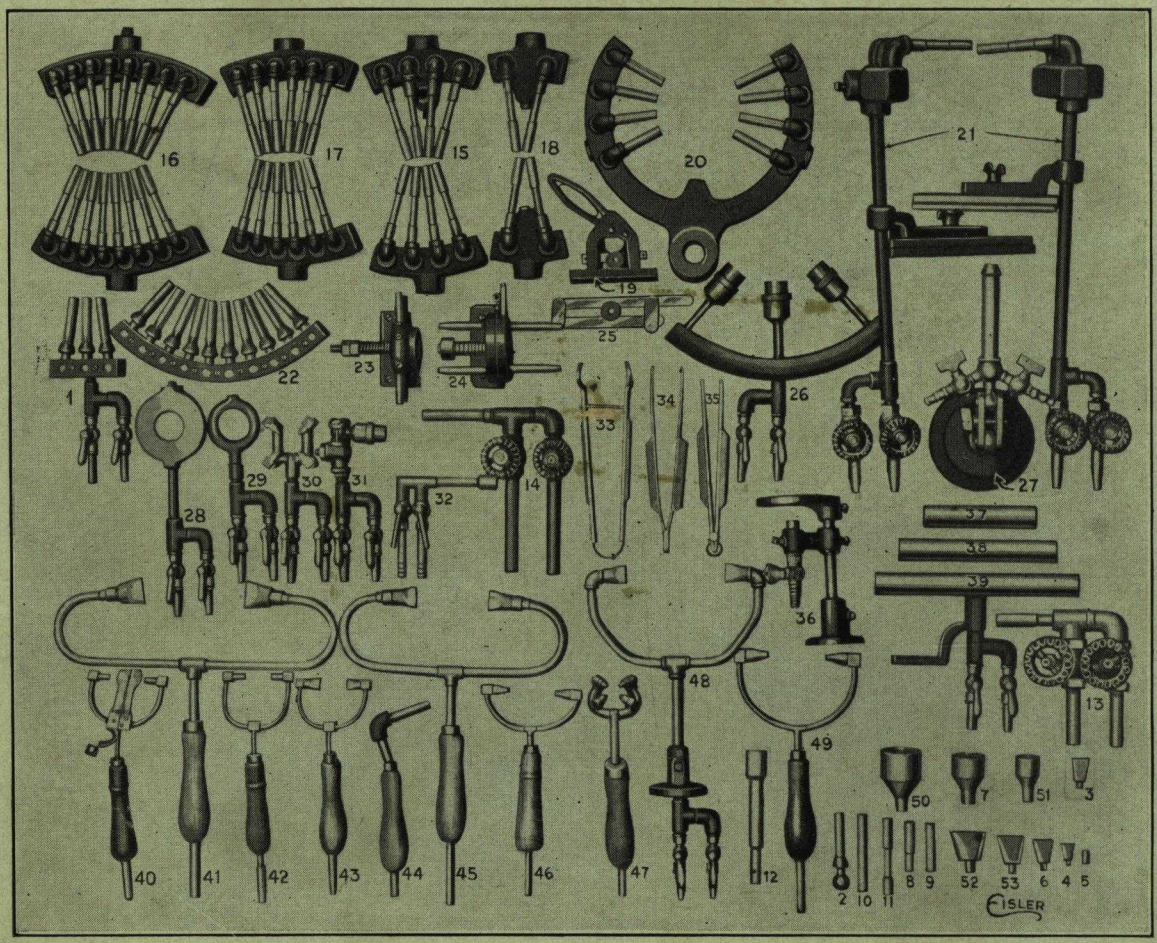
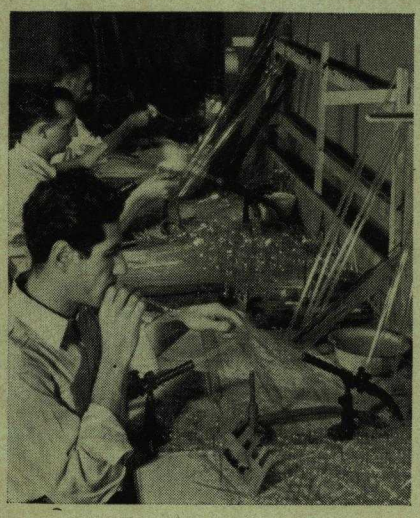


Illustration No. 117-D



Glass blowers using cross-fire gas burners to form ornaments

Eisler can supply Glass Working Tools and Burners for all your Bench-Hand and Machine Requirements.

Workers making laboratory glass apparatus with Charles Eisler equipment

Workers melting tubes of glass in gas burners and blowing them into many shapes for Christmas ornaments